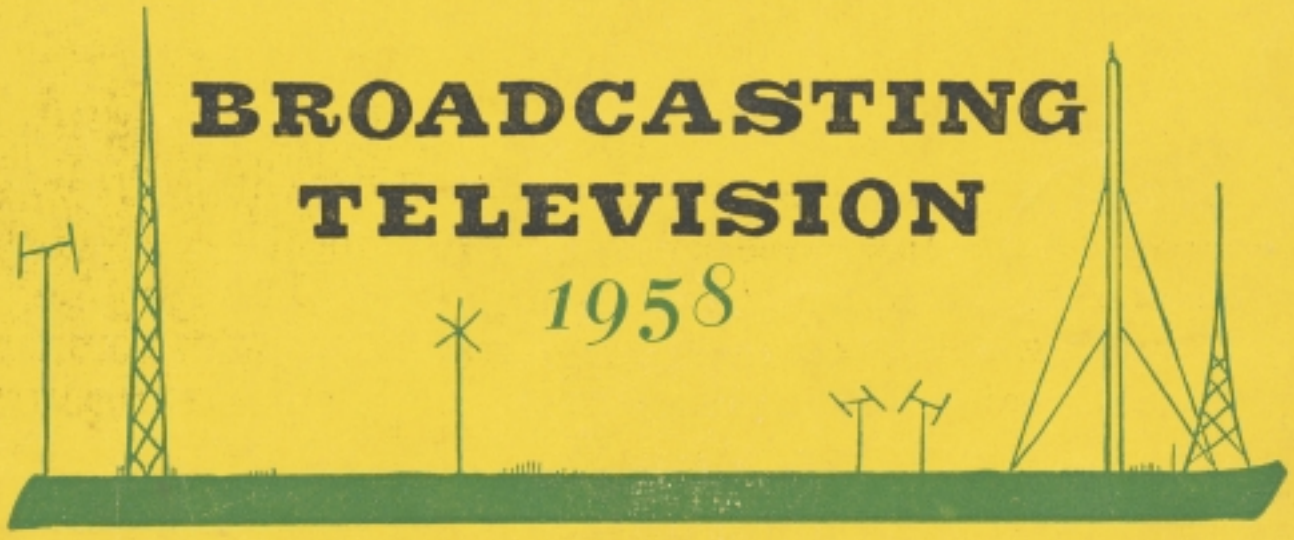
WORLD RADIO HANDBOOK

for listeners



BROADCASTING TELEVISION

1958

E·M·I

RECORDING EQUIPMENT USED THROUGHOUT THE WORLD

E·M·I TAPE RECORDERS

EMITAPE

EMIFILM

E.M.I. manufacture the finest range of recording equipment in the world and their experience in the science of sound recording is unrivalled. E.M.I. Recorders and Recording Tapes are used throughout the world by broadcasting organisations, recording studios and also for industrial and scientific applications. The range of E.M.I. Equipments meets all the requirements of the professional recording engineer.

E·M·I
SALES & SERVICE LTD
HAYES, MIDDLESEX
ENGLAND

EX 44

advertisement EMI

A DIRECTORY OF THE ADVERTISERS

ALL INDIA RADIO, P. O. Box 500, New Delhi, India. See text page 99 and advertisement page 42
AMPEX, Corporation, 964 Charter Street, Redwood City, California 38–39
AMPLIDAN A/S, 17 Moentmestervej, Copenhagen N.V., Denmark 40
ASAHI BROADCASTING COMPANY, Nakanoshima, Kitaku, Osaka, Japan: See text page 105 and advertisement page 106
AUSTRALIAN BROADCASTING COMMISSION, RADIO AUSTRALIA, Post Office Box 780 H, G. P. O., Melbourne, Australia: See text page 111 and advertisement page 16
BERLINGSKE TIDENDE, Pilestræde 34, Copenhagen, Denmark: See advertisement page 44
CANADIAN BROADCASTING CORPORATION, INTERNATIONAL SERVICE, P.O. Box 6000, Montreal, Canada: See text page 118 and advertisement page 15
CBS INTERNATIONAL, 46 East 52nd Street, New York 22, New York: See advertisement page 43
CIRCUITO CMQ, Radiocentro, Vedado, Habana, Cuba: See text page 126, 128 and advertisement page 127
DANISH STATE RADIO, Radio House, Rosenórns Alle 22, Copenhagen V: See text page 48 and advertisement page 49
DEUTSCHE WELLE, Köln, Wallrafplatz, Germany: See text page 53 and advertisement page 6
ELECTRIC AND MUSICAL INDUSTRIES LTD. (E.M.I.), INTERNATIONAL DEPARTMENT, Hayes, Middlesex, England: See advertisement ..... Coverpage 2
ELECTROMESSTECKNIK, WILHELM FRANZ K.G., Postfach 327 Lahr/Schwarzwald, Western Germany: See advertisement page 32
COMPAGNIE FRANCAISE THOMSON-HOUSTON, Groupe Electronique, 173 Boulevard Haussmann, Paris VIII, France: See advertisement back cover and pages 51, 52
FERNSEH GMBH DARMSTADT, Langraf-Philipps-Anlage 6 Postfach 329, Darmstadt: See advertisement page 31
GATES RADIO COMPANY, International Division, 13 East 40th Street, New York 16, N.Y., USA.: See advertisement page 23
GAZETTE, Publisher H.E. Stenfert Kroese N.V., Leiden, Holland: See advertisement page 36
THE GENERAL ELECTRIC CO., LTD OF ENGLAND, Magnet House, Kingsway, London W.C. 2, England: See advertisement page 33
HAMMARLUND, EXPORT DEPARTMENT, ROCKE INTERNATIONAL CORPORATION, 13 East 40th Street, New York N.Y., USA: See advertisement page 17
HELLESENS ENKE & LUDVIGSEN LTD., Aldersrogade 6, Copenhagen, Denmark: See advertisement page 35
KODAK-PATHÉ, Export Dept., 37 Avenue Montaigne, Paris 8e, France: See advertisement ..... Coverpage 3
ROBERT KARST (ROKA), Berlin-SW 29 (US Sector), Germany: See advertisement page 30
LUXOR A/B, Motala, Sweden 26
THE MANILA BROADCASTING COMPANY, Radio Center, Manila, Philippines: See text page 116 and page 26
MARCONI'S WIRELESS TELEGRAPH COMPANY LTD., Chelmsford, Essex, England: See advertisement page 20
MARITIME INTERNATIONAL COMPANY, 11 State St., New York 4, N.Y., USA: See advertisement page 37
MINNESOTA MINING AND MFG. CO., St. Paul 6, Minnesota, Export Sales Office: 99 Park Ave., New York 16, N.Y., USA: See advertisement page 25
MOSCOW RADIO, Radio Centre, P.O. Box 939, Moscow, USSR: See text page 78 and advertisement page 79
NATIONAL ASSOCIATION OF COMMERCIAL BROADCASTERS IN JAPAN: 8-7 Nishi-Ginza, Chuo-ku, Tokyo: See advertisement page 105
NIPPON HOSO KYOKYI (The Japanese Broadcasting Corporation), 2-2 Uchisaiwai-cho, Chiyoda-ku, Tokyo, Japan: See text page 102 and advertisement page 103
NORSK RIKSKRINGKASTING, Bj. Björnsonsplass 1, Oslo, Norway: See text page 78 and advertisement page 13
ONDAS PORTEÑAS, Apartado 4123, Puerto la Cruz, Venezuela. See text page 148 and advertisement page 147
PHILIPS, EINDHOVEN, HOLLAND: See advertisement page. 8–9
RADIO CLUBE DE MOCAMBIQUE, P.O. Box 594, Lourenco Marques: See text page 90 and advertisement page 90
RADIO CORPORATION OF AMERICA, RCA International Division, 30 Rockefeller Plaza, New York 20, N.Y., USA: See advertisement page 19
RADIO NACIONAL DE ESPANA, Castellana No. 42, Madrid Spain: See text page 70 and advertisement page 71
RADIONETTE, Trondheimsveien 100, Oslo, Norway: See advertisement page 12
RADIOTELEVISIONE ITALIANA (RAI), via del Babuino 9, Roma, Italy: See text page 64 and advertisement page 14
RED DE EMISORAS DEL MOVIMIENTO, Ayala 15, Madrid, Spain: See text page 70 and advertisement page 73
ROCKE INTERNATIONAL CORPORATION, 13 East, 40th Street, New York 16, N.Y.: See advertisement page 11
SIEMENS & HALSKE AKTIENGESELLSCHAFT, Erlangen (Berlin-München): See advertisement page... vis a vis titlepage
SOCIEDAD ESPANOLA DE RADIODIFUSION (S.E.R.), Avenida de José Antonio 32, Madrid, Spain: See text page 72 and advertisement page 22
STORNO, Division of the Great Northern Telegraph Co., Ltd., Ved Amagerbanen 21, Copenhagen S, Denmark: See advertisement page 21
SVERIGES RADIO A/B Stockholm 7, Sweden: See text page 74 and advertisement page 75
SWISS SHORTWAVE SERVICE, Neuengasse 23, Berne, Switzerland: See text page 76 and advertisement page 4
TELEFUNKEN G.m.b.H., Berlin S.W. 61, Mehringdamm, Germany: See advertisement page 29
THE VOICE OF THE ANDES, INTERNATIONAL MISSIONARY STATION HCJB, Casilla 691, Quito, Ecuador, S.America: See text page 144 and advertisement page 36
VAN DER HEEM N.V., The Hague, Holland: See advertisement page 34
THE VOICE OF AMERICA, Washington 25, D.C., USA: See text page 122 and advertisement page 3
WICON, Howitzwej 5–7, Copenhagen F, Denmark: See advertisement page 30
ZENITH RADIO CORPORATION, International Division, Chicago 39, Ill.: See advertisement page 41
ARAKO, Rosenørnsallé 16, København 52
SUPERPHONE, Slotsherrensvej 113, København 51
ELTRA, A/S, Mælkevej 8–9, København 52

THE W.R.H. IS A FIRST-CLASS EXPORT ADVERTISING MEDIUM:

● for manufactures of receiving, television, recording and transmitting equipments, measuring instruments, components and spare parts–*because* the WRH is distributed to broadcasting and television stations, manufacturers, radio-listeners, amateurs and professionals—all over the world.

● for broadcasting and television stations–because the WRH is able to increase the number of listeners to their respective programmes, and to interest firms in using their respective transmissions as propaganda for their products. Circulation 14.000 copies.

WORLD RADIO TELEVISION VALVE HANDBOOK

A manual for the amateurs and professionals, which *at a glance* gives the correct answer to any practical question concerned with receiving and amplifying valves, T.V. and cathode-ray valves, crystal diodes and transistors of any make. **Price:** Da. kr. 13.50. £ 0/13/6. $ 2.50. DM 09.00 plus postage.

TRANSISTORS - THEORY AND PRAXIS

A manual which caters for the people that would like to keep abreast of this modern technique and want to know the theory and to work with small practical arrangements themselves. Will be published in the course of february 1958. **Price:** Da. kr. 8.00. £ 0/8/6. $ 1.25. DM. 5.00 plus postage.

WORLD RADIO PUBLICATIONS Lindorffsalle 1, Hellerup, Copenhagen, Denmark

SIEMENS

OUR MANUFACTURING RANGE INCLUDES

Transmitting tubes up to the highest power ratings for medium, high and very-high frequencies and for television

Radio-frequency generator tubes for medical purposes and industrial applications

Amplifier tubes for long-range communication

High-tension rectifiers and thyratrons for power supply systems and electronic control

Receiving tubes for broadcast and television sets

Selenium rectifiers

Crystal diodes

Transistors

Temperature-dependent resistors (Thernewids)

SIEMENS & HALSKE AG

BERLIN · MÜNCHEN

Rö 22 E

advertisement Siemens & Halske

For the promotion of a better understanding between the peoples of the world.

Recommended by:

United Nations, Unesco.

European Broadcasting Union, Geneve.

International Broadcasting Organization (O.I.R.), Prague.

AUSTRALIA: Australian Broadcasting Commission (incl. Radio Australia).

AUSTRIA: Österreichischer Rundfunk (Öffentliche Verwaltung für das Österreichische Rundspruchwesen).

BELGIUM: The Belgian National Broadcasting Service.

BURMA: Burma Broadc. Service

CANADA: Canadian Broadcasting Corporation.

CYPRUS: Cyprus Broadcasting Service.

CZECHOSLOVAKIA: Ceskoslovensky rozhlas.

DENMARK: Danish State Radio.

EIRE: Radio Eireann.

FINLAND: The Finnish Broadcasting Company.

FRANCE: Radiodiffusion – Television Francaise.

GERMANY: Deutsche Welle. – Bayerischer Rundfunk. – Hessischer Rundfunk. – Nord- u. Westdeutscher-Rundfunk. – Süddeutscher Rundfunk. – Südwestfunk.

GREAT BRITAIN: British Broadcasting Corporation commends the aims of the WRH.

GREECE: National Broadcasting Institute

HOLLAND: Radio Nederland Wereldomroep.

HUNGARY: Hungarian Broadcasting Service.

INDIA: All India Radio.

INDONESIA: Radio Republik Indonesia.

IRAN: Radio Teheran.

ISRAEL: Israel Broadc. Service.

ITALY: RAI – Radio Italiana.

JAPAN: NHK – Broadcasting Corporation of Japan.

NORWAY: Norsk Rikskringkasting.

PAKISTAN: Radio Pakistan.

POLAND: Polskie Radio.

PORTUGAL: Emissora Nacional de Radiodifusão.

RUMANIA: Comitetul de Rad.

SAAR: Radio Saarbrücken.

SPAIN: Radio Nacional de Espana. – Sociedad Espanola de Radiodifusion.

SWEDEN: Swedish Broadcasting Corporation.

SWITZERLAND: Swiss Broadcasting Corporation.

TURKEY: Radio Ankara.

UNION OF SOUTH AFRICA: South African Broadc. Corp.

USA: The Voice of America.

VATICAN STATE: Vatican Radio.

More recommendations in separate pamphlet.

WORLD RADIO HANDBOOK

BROADCASTING-TELEVISION 1958

including World-wide Radio WHO's WHO

Twelfth Edition

WORLD COPYRIGHT BY O. LUND JOHANSEN

Lindorfsalle 1 . Hellerup . Copenhagen . Denmark

★

ALL RIGHTS RESERVED

★

Published and edited by

O. LUND JOHANSEN

Manuscript completed November 1957

Next Edition to be published in November 1958

★

Published in English and German

Cover design: Kjeld Vibholm

Printed in Denmark by Det Berlingske Bogtrykkeri · Copenhagen

TABLE OF CONTENTS

Preface 5
Television and the United Nations 7
Shortwave Conditions during 1958 10
Broadcasting Organizations ..... 15—16
World Time in all Countries 18
Table of allocation of call signs 21
We can have faith in radio (UNESCO) 22
Table of the most suitable metre bands 24
How to use the WRH 30, 32, 35, 36
Frequency bands allocated to Broadcasting, Television and Amateurs 39
DX-Programmes 39
Number of receivers in use in each country .. 40
Abbreviations 42
A World Survey of Sound Broadcasting . 45—148
A World Survey of Television ..... 149—155
Standard Frequency Stations 155
Long- and Medium Wave Stations ..... 156—159
Short Wave Stations of the World ..... 160—173
Last minute information and corrections 174
DX-Clubs 173
Representations and Collaborators 173
World Charts: Europe 28 — **Africa** 85 — **East** 97 — **Pacific** 111 — **No. America** 119 — **Central America** 129 — **So. America** .. 129
Pictures from the World 27, 82, 107, 125

Aden 93
Afghanistan 93
Alaska 118
Albania 45
Algeria 83
Andorra 45
Angola 83
Aruba 135
Argentina 137
Australia 110
Austria 45
Azores 45
Bahamas BWI 126
Bahrain 94
Barbados BWI 126
Bechuanaland 84
Belgian Congo 84
Belgium 46
Bermuda BWI 126
Bolivia 138
Borneo North 96
Brazil 138
Bulgaria 47
Burma 96
Cambodia 96
Cameroon 84
Canada 118
Canary Islands 84
Canton Islands 114
Cape Verde Islands. 86
Ceylon 96
Chile 141
China, Peoples Rep.of 98
Colombia 142
Cook Islands 114
Costa Rica 126
Cuba 126
Curacao 135
Cyprus 94
Czechoslovakia 47
Dahomey 86
Denmark 48
Dominican Republic 128
Ecuador 144
Egypt 86
El Salvador 130
Eritrea 86
Ethiopia 86
Falkland Islands ... 145
Faeroe Islands 48
Fiji Islands 114
Finland 48
France 50
Fr. Equat. Africa .. 87
Germany Federal Rep. 53
Germany Dem. Rep. 57
Gilbert and Ellis Islands 114
Goa 99
Ghana 87
Great Britain 58
Greece 61
Greenland 62
Guadeloupe 130
Guam 114
Guatemala 130
Guiana, British 145
Guiana, Dutch 140
Guiana, French 145
Guinea, French 87
Guinea, Portuguese . 87
Guinea, Spanish 87
Haiti 131
Hawaii 114
Holland 62
Honduras, Rep. 132
Honduras, Brititsh . 132
Hong Kong 99
Hungary 63
Iceland 64
India 99
Indonesia 100
Iran 94
Iraq 94
Ireland 64
Israel 94
Italy 64
Ivory Coast 87
Jamaica BWI 132
Japan 101
Johnston Island 114
Jordan 95
Kenya 88
Korea North 105
Korea South 105
Kuwait 95
Laos 106
Lebanon 95
Leeward Islands ... 133
Liberia 88
Libya 88
Luxembourg 65
Macau 106
Madagaskar 88
Madeira 66
Malaya 106
Malta 66
Marianas Island 114
Marshall Islands ... 115
Martinique 133
Mauretania 92
Mauritius 88
Mexico 133
Midway Island 114
Monaco 66
Morocco 89
Mozambique 90
Nepal 106
Netherlands Antilles 135
New Caledonia 115
New Guinea Austr.. 115
New Guinea Dutch . 115
New Zealand 115
Nicaragua 135
Nigeria 91
Norfolk Island 115
Norway 66
Pakistan 106
Panama 135
Paraguay 145
Peru 145
Philippines 115
Poland 67
Portugal 68
Puerto Rico 136
Reunion 91
Rhodesia 91
Rumania 69
Ryukyu Islands 117
Samoa 117
Sao Tomé 91
Sarawak 108
Saudi Arabia 95
Senegal 92
Seychelles 92
Sierra Leone 92
Solomon Islands ... 117
Somaliland, British . 92
Somaliland, French . 92
Somaliland, Ital. ... 92
Spain 70
St.Pierre & Miquelon 124
Sudan 92
Sudan, French 92
Surinam 146
Sweden 74
Switzerland 76
Syria 95
Tahiti 117
Tanganyika 92
Taiwan 108
Tangier 89
Thailand 109
Trinidad BWI 136
Togo 93
Tunisia 93
Turkey 95
Uganda 93
Union of South Africa 93
United Nations 124
United States 127
Uruguay 146
U.S.S.R. 78
Vatican State 80
Venezuela 147
Vietnam 109
Virgin Islands 137
Volcano Islands 110
Windwards Islands . 137
Yemen 96
Yugoslavia 81
Zanzibar 93

see last minute corrections and information last page.

For your attention: If you like the WRH and its purpose write to World Radio Handbook, Lindorffsallé 1, Hellerup, Denmark, for brochures to send interested friends and connections. Your valuable assistance to make the WRH known as much as possible will be very much appreciated and will support the promotion of the understanding between the peoples of the World.

KEEP YOUR WORLD RADIO HANDBOOK UP TO DATE

by help of the WORLD RADIO BULLETIN which contains the latest news from broadcasting stations: New stations, changes of frequencies, hours of transmission, powers etc. The WR-bulletin is published fortnightly and the rates are:

Airmal: Annually: Da. Kr. 38.—, £ 2, $ 5.65, DM 24.—.

Quarterly: Da. Kr. 20.—, £ 0/11/—, $ 1.50, DM 6.50.

Ordinary mail: Annually: Da. Kr. 22.—, £ 1/6/0, $ 3.50, DM 15.—.

Quarterly: Da. Kr. 6.—, £ 0/7/0, $ 1.25, DM 4.25.

The VOICE OF AMERICA

broadcasts

IN 43 LANGUAGES

OVER A NETWORK OF 83 TRANSMITTERS

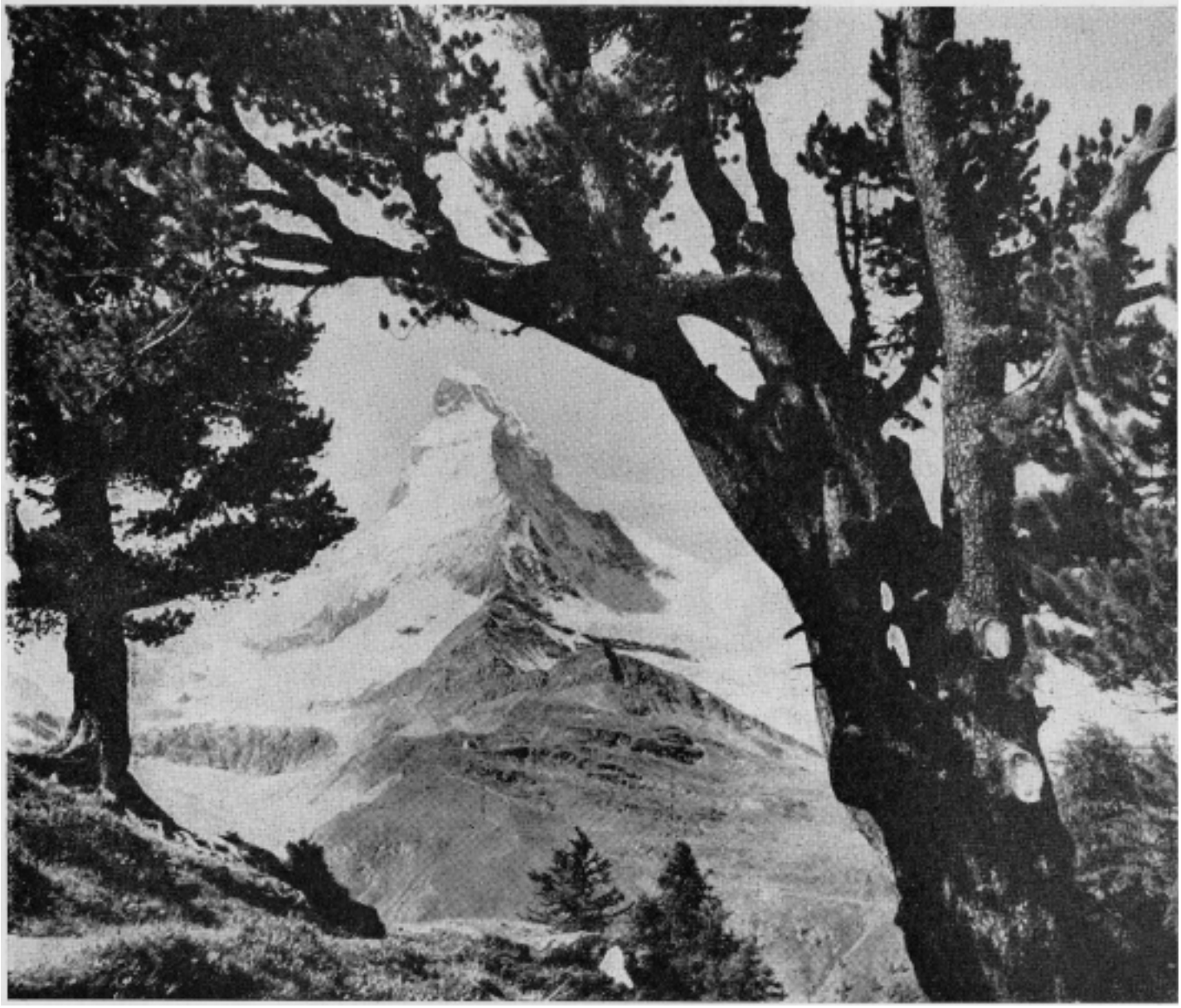
AROUND THE CLOCK

AROUND THE GLOBE

U.S. INFORMATION AGENCY

WASHINGTON, D.C.

advertisement Voice of America VoA USA



SWITZERLAND CALLING

from the land of mountains to the wide world

WITH NEWS AND COMMENTARIES
MUSIC OF THE MOUNTAINS
CLASSICAL AND LIGHT MUSIC
FEATURE PROGRAMMES

EVERY DAY AND ALL DAY

The Swiss Shortwave Service · Berne, Switzerland

(For full information see SWITZERLAND)

advertisement switzerland salling Swiss

PREFACES

A first purpose of a preface is to introduce an author to his readers.

Since we, the broadcasting organizations of the world, can claim to be both the authors and the readers of the World Radio Handbook, this would seem to be rather superfluous.

If the authors require no introduction, then perhaps the Editor? But surely Mr. Lund Johansen would have a right to be offended if presented to us as a stranger?

Would a few well-chosen words, describing the value of this book, be useful? A glance at a single page, filled as it is with precise and factual information is all that is needed to show that the World Radio Handbook is indispensable to everyone engaged in the international fields of broadcasting and television.

Our task at the United Nations, to inform the world of the activities of our Organization, and to make people everywhere familiar with its principles and purposes, has grown immeasurably in the last two years. The United Nations has, in this time, increased in membership from sixty to eighty-one nations - and a new and highly important Specialized Agency has come to join the United Nations family, the International Atomic Energy Agency, with Headquarters in Vienna.

Each year, as the world's technical resources increase, and the distances which divide us diminish, the need for better understanding between men and women everywhere becomes more urgent.

We feel sure that others, engaged, as we are, in promoting this better understanding will find the present volume a constant source of useful and practical information.

PETER AYLEN
Director,
Radio and Visual Services Division
United Nations

"When the new edition of WRH was published last year, I recalled the miracle it represented on its first appearance in 1948.

A miracle that is repeated twelve times can no longer be regarded as a miracle. This time I shall therefore confine myself to saying that it is a fact that each year WRH appears in an ever-improved edition."

LEO WALLENBORN
Secretary General
European Broadcasting Union

What a magnificent service you are rendering to the People-to-People idea in publishing the World Radio Handbook! As you prepare for your twelfth edition I join with your many friends in wishing you every success in your continuing efforts to promote increasing communication among people of all nations.

CHARLES E. WILSON
President
People-to-People, Inc.

The twelfth edition of the World Radio and Television Handbook means a step nearer completion of the information about broadcasting and television in the world. I hope the WRH 58 will be received with the same satisfaction as the earlier editions by broadcasting and television stations, listeners and the advertizers. The contents have been compiled from data supplied direct from the different broadcasting and television stations in response to questionaries, sent to all stations in the world regardless of politics, religion and race. I am indebted to the Technical Centres of E.B.U. in Brussels and U.I.R. in Prague, to Asociacion Inter-Americana Radiodifusion, to broadcasting and television organizations all over the world, to Danish Embassies, Legations and Consulates, to the Danish Society, to Dx-Clubs and their members – for valuable support in the preparation of the contents of the WRH 58. I should be most grateful to be informed of errors and omissions as well as of any developments affecting the information given in the WRH 58. The WRH publishes information about all stations in the world regardless of politics, religion and race.–For the coming year I repeat my wish, that different countries may cease their jamming activities, which diminish the actual purpose of broadcasting: Promotion of the understanding between the peoples of the world – the motto of the World Radio and Television Handbook. *O. Lund Johansen*

DEUTSCHE WELLE

Kurzwellendienst der Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland

---

The VOICE OF GERMANY, Deutsche Welle is beamed to the

FAR EAST

NEAR AND MIDDLE EAST

AFRICA

SOUTH AMERICA

NORTH AMERICA

NEWS IN 5 LANGUAGES

Programme suggestions and reception reports are very much welcomed, letters should be addressed to

DEUTSCHE WELLE – KÖLN

Funkhaus, Wallrafplatz, Germany

Detailed reports are answered by QSL card

Please refer to GERMANY for details

advertisement Deutsche Welle Germany

The Latin-American Service of the United Nations Radio Division has just completed production of a series of seven television programs entitled „Por el Bienestar de Todos", dealing with the work of the Specialized Agencies and the Technical Assistance Administration. On the program dealing with TAA Dr. Gustave Martinez Cabañas (at the desk), Deputy Director General of U. N. Technical Assistance Adm. was interviewed. Standing are (1. to r.) Mr. José Quijano – Santos and Mr. Leo Rivas jr., producer and narrator resp. of this series.

TELEVISION AND THE UNITED NATIONS

Television develops while the world tries to make argument the natural way of settling differences between competitive peoples. It develops while huge changes are taking place in the traditional ways of life of families everywhere, while the whole fabric of society is subjected to unfamiliar stresses and strains. At the United Nations the efforts of peoples to discover points of contact, to adjust themselves to one another have a critical importance which television alone can adequately, intimately and immediately report in sound and picture.

But, unlike radio, the range of live television is still relatively limited, and international relays such as Eurovision still at the experimental stage. Thus one of the concerns of the United Nations is to make available telerecordings from the conference chamber on the widest possible scale so that they may be integrated into national programmes and encourage public understanding of the Organisation and its work.

Whilst Television, during the past few years, has dramatically altered social habits it has also increased social awareness in the several countries where its growth has been encouraged by government and private enterprise. Its documentary programmes, its encouragement of popular interest in the arts and sciences, in industry and craftsmanship, have considered not only the national scene, but have literally brought home a picture of other peoples ways of going about their daily lives, have made comprehensible their differences and their similarities. And Television is also helping, through public service programmes, to reveal something of the immense task facing the United Nations and Specialised Agencies in assisting people in many parts of the world to help themselves raise their own living standards, acquire new skills and conquer their environment and ancient poverty.

As a medium for public education the prospects are without limit. The teleclub movement here and there has demonstrated what direct influence television may have upon the attitude of the community. As industrialisation proceeds, for example, the tendency is for town and country dwellers to become estranged, and television has been usefully enlisted to help reconcile the conflicting interest by providing both with a forum on which the attitudes of one can be visually interpreted to the other.

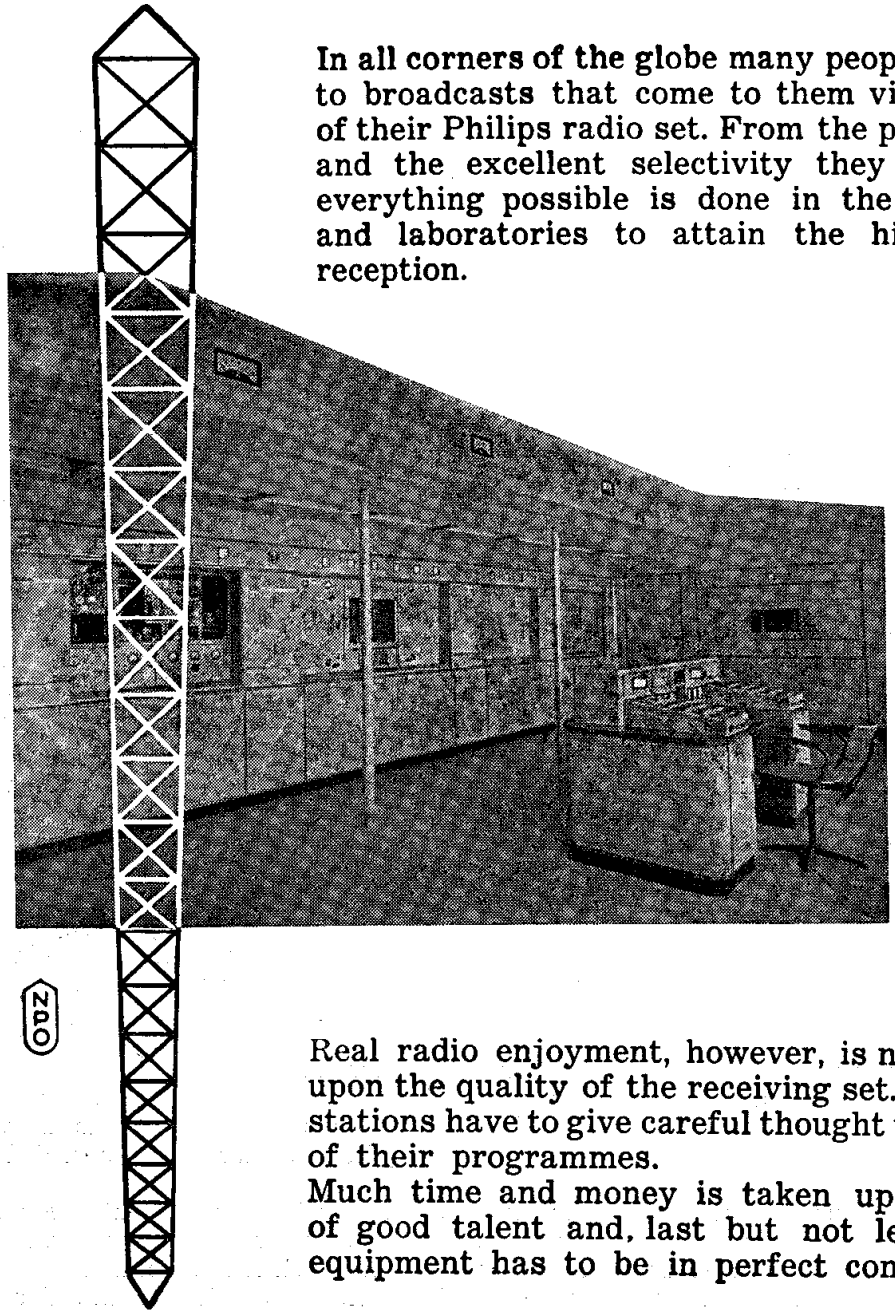
And in the classroom, ranging through the syllabus, television is demonstrated as particularly useful in the fields of human geography and current affairs where the spectacle of representatives of countries working out their common problems in international organisation provides the child both with precept and example for the future.

Statistics are an eloquent reminder of the growth of television during the past five years and equally a reminder of our common responsibility to use it to its full capacity in the interest of peace.

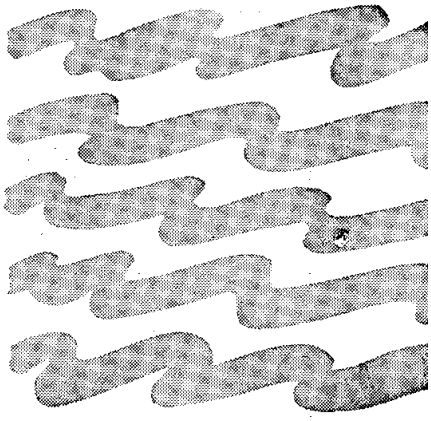
PETER AYLEN
Director, Radio and Visual Services Division, United Nation

television and the United Nations Gustave Martinez Cabañas Jose Quijano Leo Rivas Peter Aylen

A quality link between



In all corners of the globe many people will be listening to broadcasts that come to them via the loudspeaker of their Philips radio set. From the purity of the sound and the excellent selectivity they will realize that everything possible is done in the Philips factories and laboratories to attain the highest quality of reception.



NDO

Real radio enjoyment, however, is not only dependent upon the quality of the receiving set. The broadcasting stations have to give careful thought to the composition of their programmes.
Much time and money is taken up by the selection of good talent and, last but not least, the technical equipment has to be in perfect condition.

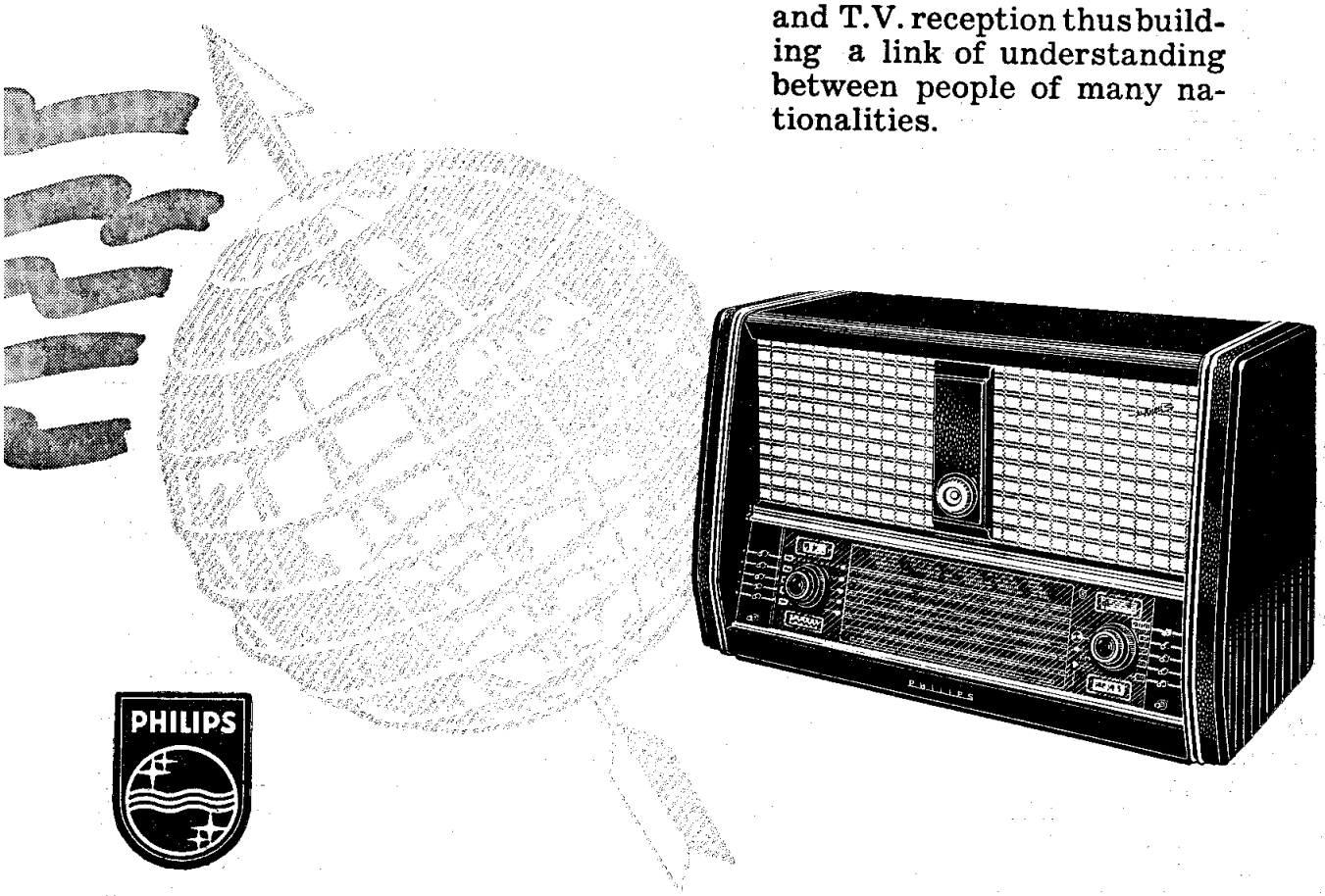
PHILIPS for dependable

advertisement Philips

speaker and speaker

Also at this end of the „bridge" between the listener and the studio Philips play an important part.
Just as they make many types of Philips radioplayers, they manufacture quite a range of different studio equipment and transmitters ranging from 50 watts to 100 kilowatts and comprising types for different wavelengths and modes of modulation. In the field of television too, Philips equipment forms a quality link between camera and screen.

By producing quality equipment for both the broadcasting stations and the home, Philips make their contribution to better radio and T.V. reception thus building a link of understanding between people of many nationalities.



transmission and reception

advertisement Philips

T. W. Bennington *is an Engineer of the British Broadcasting Corporation. He has been engaged in short-wave radio since 1932, when he was in charge of the radiotelephone equipment and service in RMS "Majestic". Joining the BBC in 1934 he was at first a transmitter engineer, and then, for 15 years, in the Department concerned with short-wave planning. Now with the Corporation's Research Department he is concerned with long-distance short-wave propagation, and with the application of ionospheric data to long-distance transmission. He is the author of numerous articles on this subject, and of the book "Short Wave Radio and the Ionosphere", published by Iliffe and Sons, Ltd., of London.*

SHORTWAVE CONDITIONS DURING 1958

T. W. Bennington, Research Dept., BBC, England.

As is now very well known long-distance radio wave propagation is subject to several types of periodic variation, the principal of which are a diurnal variation, a seasonal variation and a long-period or sunspot-cycle variation. All these are due to variations which occur in the ionosphere (which is the medium through which the waves are propagated from point to point on the earth's surface) and they occur because the ionosphere is produced by the sun. Thus it varies, and the short-wave conditions sympathetically vary, in accordance with the sun's action upon it.

The diurnal and seasonal variations are of a systematic kind at any given place upon the earth's surface. But they are complicated by the fact that, superimposed upon them, is the sunspot cycle variation, which produces different conditions at a given time of day and month, in different years. And in making an estimate of short-wave conditions during 1958 it is the sunspot cycle variation with which we have principally to contend.

Let us be quite clear at this point by recognising the fact that it is not possible, at present, to predict the course of a sunspot cycle very far ahead with any accuracy. The best that we can do is to study the past 19 cycles of which we have continuous records, and, noting the different characteristics of different types of cycle, put the present cycle into the class to which it belongs, and assume that it will behave in the future very much like the mean behaviour of the other cycles of its class.

The present sunspot cycle is one of the type with a high maximum, in fact it appears to have the highest maximum yet recorded. Such cycles are, almost without exception, of a "saw-tooth" shape, having a short "rising" period (about 3 years) preceding the maximum, and a long "falling" period (about 8 years) following the maximum. During the period immediately following the maximum the average sunspot activity therefore decreases quite slowly.

At the time of writing (July) the situation is complicated by the fact that sunspot maximum has not yet occurred: the *average* sunspot activity is still rising. Sunspot maximum is determined from the "smoothed" or twelve-month mean value of the monthly sunspot numbers, not from the monthly values themselves, for they fluctuate considerably from month to month. The twelve-month mean value, as determined from the last twelve monthly values, belongs, of course, to an epoch 6 months back, which is the latest time for which it can be known. Thus, the addition of the monthly value for June 1957 to the preceding eleven gives us the twelvemonth mean value for the epoch Dec 1956/Jan 1957 of about 163.

We cannot, therefore, yet be sure about the time of sunspot maximum, but let us make the assumption that it will occur when the monthly value for July has been added, which places it at the epoch Jan/Feb 1957. From then on, we will assume, the *average* sunspot activity will be decreasing. Even the smoothed value may undergo some fluctuations, but we will neglect these, and assume a steady, but slow, decrease. A fair estimate, having regard to the behaviour during the past high-maxima cycles, is that by December 1957 the smoothed sunspot number will have decreased to about 140, and by December 1958 to about 110. Throughout 1958, therefore, the sunspot number is likely to remain well above 100, and, so far as short-wave radio is concerned, high frequency conditions are likely to prevail. In fact the usable frequencies are not likely to be *very* much lower than they have been of late. They may, however, be a *little* lower, the greatest decrease from present frequencies being during the winter day and the least during the winter night.

It is, of course, quite impossible here to indicate in detail the best usable frequencies for 1958 for all times of day and seasons, and for a large number of circuits, for conditions will vary very much over different parts of the earth's surface. A few general remarks may, however be of interest. Over long distance circuits from the northern hemisphere, during the early months of the year frequencies as high as 40 Mc/s may be propagated during the day, but by March this will no longer be so, and towards the end of the year, though the frequ-

Continues page 13

T.W. Bennington BBC London Shortwave Conditions during 1958

from a single source...

ROCKE INTERNATIONAL

OFFERS ITS OVERSEAS CUSTOMERS COMPLETE COMMUNICATIONS OR BROADCASTING SYSTEMS —REGARDLESS OF SIZE OR APPLICATION.

ROCKE INTERNATIONAL acts as either the international division or the export representative of more than twenty-five American firms who manufacture equipment ranging from microphones and klystrons to complete broadcasting stations.

In addition to offering this equipment, Rocke International has broadened its services to include specifications of all related equipment, design of special equipment and complete systems, local surveys, supervision of installations and even the design and supply of buildings to house a broadcasting station or communications operation.

Rocke International Systems include:

- **COMMUNICATION**
- **BROADCAST**
- **TELEVISION**
- **AUDIO EQUIPMENT** (tape recorders, microphones, loudspeakers, etc.)

With full assortment of products in these fields, Rocke International can meet your complete requirements. Purchasing from one source keeps your procurement costs at a minimum, speeds delivery and establishes a single commercial and technical responsibility.

Branches and Affiliates are located in: Paris, London, Brussels, Turin, Zurich, Manila, Beirut, Mexico City, Havana, Caracas, Buenos Aires, Sao Paulo, San Jose (Costa Rica), Stockholm, Frankfurt/Main, and Washington, D. C.

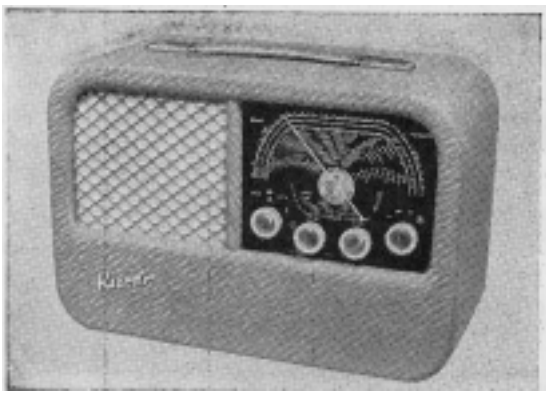
For further information, catalogs and prices write to:

ROCKE INTERNATIONAL CORPORATION

13 East 40th Street, New York 16, N. Y. Cables: ARLAB.

advertisement Rocke

AN OPEN WINDOW TO THE WORLD

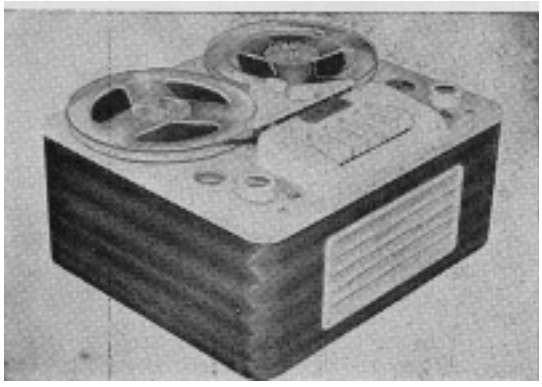


THE "KURÉR"

– the radio for everyone everywhere! A supersensitive portable set which has won extraordinary reputation in more than 50 countries. Operates on AC 110–230 volts or on its self-contained one unit 90/1.5 volts battery, giving 350 working hours. 4 bands including tropical.
Unbelievable range of selection – Magnificent tone.
4 valves plus metal rectifier.

THE "STUDIO 3D HI-FI"

A magnificent High Fidelity console unit - finished in high polished nut, mahogany or teak. A giant dial, more precise than usually found – band spread tuning on all short wave bands.
The ideal combination of "Symphony 3 D" Hi-Fi AM/FM receiver, Garrard 4-speed record changer and 3-speed twin track, completely independent RADIONETTE B 5 tape recorder.



TAPE RECORDER B5 3 SPEED HI-FI

A remarkable new RADIONETTE Tape Recorder with outstanding features such as three recording speeds, control-panel with 5 press-buttons, track selector and tape turn counter.
Internal high efficiency elliptical speaker. Cabinet in polished mahogany, with a white-coloured metal top panel. Completely independent unit.
Exceptional sound quality – Easy to operate.

NORWAY'S LEADING RADIO MANUFACTURER

RADIONETTE

TRONDHEIMSVEIEN 100, OSLO, NORWAY

advertisement radionette

RADIO NORWAY

has daily transmissions directed towards all parts of the Globe. The programmes are mainly presented in Norwegian, but the music is also introduced in English. Norwegian music is deeply rooted in the old Norwegian folk tunes. The Hardanger fiddle is a highly developed national instrument, and many of Edvard Grieg's compositions are based upon the sound effect of this violin with its additional four resonance strings. The programme in English, NORWAY THIS WEEK, - in which the country is presented through glimpses from various sides of its social, economical, political and cultural life – can be heard every Sunday.

For reports and comments, please write to: RADIO NORWAY, OSLO, NORWAY.

Ev.: (Transmission times – please see NORWAY)

SHORTWAVE

Continued from page 10

enies will increase again, it is unlikely that they will reach 40 Mc/s very frequently. Over East/West circuits in mid-latitudes the 26 Mc/s broadcast band should be usable during daytime during all months except the 4 months centred around midsummer, and in extreme midsummer the 21 Mc/s broadcast band will be very near the MUF. At night the 15 Mc/s band should be usable from March to August, but during the other months 11 Mc/s and 9 Mc/s will be required. Over North/South circuits during the daytime the 26 Mc/s band should be usable throughout the year, and at night 17 Mc/s should be good during the summer and equinoctial months, and 15 Mc/s and 11 Mc/s during the winter night.

Circuit	Months	Period GMT	m.b.	Period GMT	m.b.	Period GMT	m.b.
Eu./ N.Am. (and vice versa)	Ja/Feb	00.00–06.00	25	12.00–19.00	11	21.00–23.00	19
	Ma/Ap	00.00–06.00	19	12.00–20.00	11	20.00–23.00	16
	Ma/Au	00.00–06.00	19	10.00–16.00	13	16.00–23.00	13
	Se/Oct	00.00–06.00	25	12.00–20.00	11	20.00–23.00	16
	No/De	00.00–06.00	31	12.00–19.00	11	21.00–23.00	19
Eu./ S. Am (and vice versa)	Ja/Feb	00.00–06.00	19	10.00–18.00	11	20.00–23.00	16
	Ma/Ap	00.00–06.00	16	10.00–20.00	11	20.00–23.00	13
	Ma/Au	00.00–06.00	13	12.00–22.00	11	22.00–24.00	13
	Se/Oct	00.00–06.00	16	10.00–20.00	11	20.00–23.00	16
	No/De	00.00–06.00	25	10.00–18.00	11	20.00–23.00	19
Eu./ S. Af. (and vice versa)	Ja/Feb	00.00–04.00	19	08.00–17.00	11	20.00–24.00	19
	Ma/Ap	00.00–04.00	13	07.00–19.00	11	19.00–24.00	13
	Ma/Au	00.00–04.00	16	07.00–19.00	11	19.00–24.00	13
	Se/Oct	00.00–04.00	16	07.00–19.00	11	19.00–24.00	16
	No/De	00.00–04.00	25	08.00–17.00	11	20.00–24.00	25

As a rough guide to the highest frequencies likely to be usable in the broadcast bands the following table is given, indicating conditions over three specific circuits between Europe and other parts of the world. During times not given the highest usable frequency is likely to be between those given for the nearest times, except during the early morning, when it is likely to be *lower* than those given. It is stressed, however, that unforseen fluctuations in the solar activity may cause variations in the frequencies which at present seem likely to be usable during 1958.

advertisement radio norway

»NOTTURNO DALL'ITALIA«

On the air

every night from 22.35 to 05.40 GMT.

Music followed by Newscasts

in Italian, French, English and German

*

Broadcast by Roma 2,

on 845 kc/s, 355 mtrs

*

RAI - RADIOTELEVISIONE ITALIANA

advertisement RAI Roma Italy Notturno dall Italia

INTERNATIONAL SERVICE

RADIO·CANADA

SERVICE INTERNATIONAL

SHORTWAVE BROADCASTS FROM CANADA
IN 16 LANGUAGES

PROGRAMME SCHEDULE SENT FREE ON REQUEST

Canadian Broadcasting Corporation

International Service

P.O. BOX 6,000, MONTREAL, CANADA

For broadcast frequencies and times, see CANADA.

BROADCASTING ORGANIZATIONS

UNION EUROPEENNE DE RADIODIFFUSION (U.E.R.)

Seat and Administrative Office: 1, rue de Varembé, GENEVE.

Technical Centre: 4, rue de la Vallée, BRUXELLES.

Monitoring Centre: Jurbise (Belgium).

International Coordination Centre for TV/Programmes exchanges (Eurovision): Palais de Justice Bruxelles.

Administrative Council (1957-1958): President: Sir Ian Jacob, Director General, The British Broadcasting Corporation.

Vice-Presidents: MM. Léon Daumard, Inspector General »Radiodiffusion-Télévision Francaise« and Georges Conus, Director Administration The Swiss Broadcasting Corporation.

Administrators: Representatives of the broadcasting organisations in: Austria, Denmark, Finland, France, Germany (Fed. Rep.), Italy, Netherlands, Switzerland and United Kingdom.

Director of the Administrative Office and Secretary General: M. Léo Wallenborn.

Director of the Technical Centre: M. Georges Hansen.

Active Members: The broadcasting organisations of: Austria, Belgium, Denmark, Egypt, Finland, France, Germany (Bundesrepublik), Greece, Iceland, Israel, Ireland, Italy, Lebanon, Luxembourg, Monaco, Morocco/Tunesia, Norway, Netherlands, Portugal, Spain, Sweden, Switzerland, Syria, Turkey, United Kingdom, Vatican City, Yugoslavia.

Associate Members: The broadcasting organisations of: Australia (ABC), Belgian Congo, Burma, Canada (CBC), Ceylon, Haiti, Japan New Zealand, Pakistan, Portugal, Union of South Africa, United Kingdom, (I.T.A. and Television Programme Contractors Association), United States (US Information Agency, N.A.E.B., C.B.S. and N.B.C.).

Publications: EBU BULLETIN (every two months in English and French). – Long and medium waves report (European Area). – Short waves report.

INTERNATIONAL BROADCASTING ORGANIZATION OIR

ADDR.: 15, Liebknechtova, Prague 16, Czechoslovakia. – **Cable:** Interadif, Praha.

Nature: International organization dealing with practical and certain theoretical questions connected with broadcasting and television programmes and technique and co-operation between broadcasting and television organizations.

Governing Body: General Assembly consisting of one representative for each full member.

ADMINISTRATIVE COUNCIL: Consisting of 7 to 13 members.
Chairman for 1957: Representative of the Soviet Union.
Vice-Chairmen for 1957: Representatives of China and Czechoslovakia.

Members: Peoples Republic of Bulgaria, Peoples Republic of China, Czechoslovak Republic, Finland, German Democratic Republic, Soviet Socialist Republic of Lithuania, Peoples Republic of Mongolia, USSR.

MEMBERS: PR of Albania, Byelorussian SSR, PR of Bulgaria, Chinese PR, Czechoslovak Republic, Estonian SSR, Finland, German Democratic Republic, Hungarian PR, Korean People's Democratic Republic, Latvian SSR, Lithuanian SSR, Moldavian SSR, PR of Mongolia, PR of Poland, Rumanian PR, Ukrainian PR, Union of Soviet Socialist Republics, PDR of Vietnam.

Facilities: Technical Centre: Prague, Czechoslovakia.

Publications: Documentation and Information Bulletin in Chinese, English, French and Russian issued every two months. Technical Documentation and Lists of broadcasting and television stations in operation. Bimonthly OIR Information and monthly Catalogues: a) radio programmes, b) television programmes – suitable for exchange.

Meetings: General Assembly at least once a year. Administrative Council at least once a year.

Relations with other international organizations: Official relations with the ITU, UNESCO, the Economical and Social Council of the United Nations Organization and others.

UNESCO
(United Nations Educational, Scientific and Cultural Organization)
Radio Division, Department of Mass Communication.
Address: 19, avenue Kléber, Paris 16e. Telephone: KLEber 52-00.
Chief of Radio Division: Walter Steigner
Deputy-Chief: José Garza y de Garate
Chief of English production: Rex Keating
Chief of French production: Fernand Poucy
Chief of Spanish production: José Garza de Garate
Chief of German production: Walter Steigner. *Cotinued page 16.*

Shortwave listeners are invited to tune to the daily broadcasts of

RADIO AUSTRALIA

– the friendly voice of the Southern Continent –

Programmes in English, French, Indonesian, Chinese, Thai.

Transmissions are directed to:
Asia, the British Isles and Europe, Canada and the United States of America, Africa, New Zealand and Pacific Islands.

Radio Australia welcomes listeners' correspondence and reception reports which are answered by letter or verification card.

A free programme booklet is available upon request.

Overseas Service – Australian Broadcasting Commission,
Post Office Box 428 G, G.P.O. Melbourne, Australia.

(For transmission details see AUSTRALIA)

BROADCASTING ORGANIZATIONS:

(Continued from page 15)

ASOCIACION INTERAMERICANA DE RADIODIFUSION (AIR): AIR is an association of the broadcasting corporations of the American countries. Founded in 1946 it represents more than 4000 broadcasting and 400 television stations. Its purpose is to preserve free and stable broadcasting, promote cooperation between broadcasting corporations and the public Authorities, to raise the cultural level of the peoples, and to work for a closer feeling of association between the broadcasting corporations of America. AIR is recognized by the United Nations and collaborates with UNESCO, with the International Union of Telecommunications, with the organizations of the American States. AIR has subscribed to the »Panama Doctrine« in which the American Radio and Press declare themselves united against any attack on individual liberty and any restriction of the freedom of utterance. During the last General Meeting, held in Lima, Peru, AIR issued a Declaration of Principles of Ethies on which such members as have not yet done so, will have to base themselves for the compiling of their Ethic Codes. On October 4 1956, AIR celebrated its tenth anniversary. Associations in twenty countries are affiliated to AIR, President of AIR is Senor Ricardo Vivado Orsini (Chile), 1st Vice Pres.: Raul Fontaina (Uruguay); 2nd Vice-Pres.: Alberto Lleras Camargo (Colombia); Secretary: Emilio Azcarraga (Mexico); Dir. Gen.: Julio Menadier Carrasco (Chile). **Address:** Casilla 3591 Santiago, Chile.

ASSOCIATION CATHOLIQUE INTERNATIONALE POUR LA RADIODIFFUSION ET LA TELEVISION

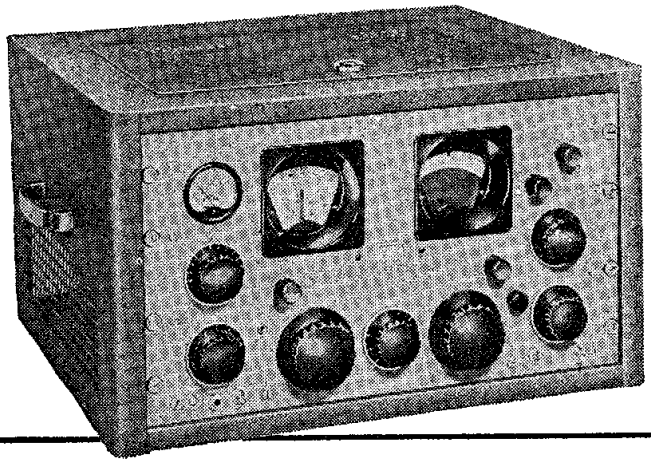
General Secretariat: Avenue de la Gare 6, Fribourg-Switzerland.
General Secretary: Dr. J. Schneuwly.
Administrative Council consists of 12 members. President actual: Mag. Dr. J.B.Kors, OP, Hilversum/Holland. – **Committees:** a) TV-programmes. b) Radio-TV and the child. c) Publications.
Associate Members: Union of So. Africa, Algeria, Germany, Argentina, Austria, Belgium, Bolivia, Brazil, Canada, Costa Rica, Vatican State, Colombia, Cuba, Curaçao, Denmark, Egypt, Spain, Haiti, Indonesia, Iraq, Ireland, Italy, Morocco, Norway, Portugal, Puerto Rico, Peru, El Salvador, Luxembourg, Sweden, Switzerland, Trinidad, Venezuela, Australia, Ceylon, Belgian Congo, San Domingo, Monaco, Panama, Ecuador, Japan, Philippines, Paraguay, Tunisia, Uruguay, Chile.
Correspondent Members: French West Africa, Mexico, USA, Nicaragua, Panama (Canal Zone), Honduras.
Publications: Quarterly bulletin "UNDA", printed in French, stencilled in English and Spanish. – "UNDA-NOUVELLES", monthly, stencilled. The first "Catalogue of records of Religious Music", containing a list of more than 2000 records, was published in 1956.
General Assembly: Every two years: Last General Assembly: 1st, 2nd and 3rd of October 1957 in Geneva. – Congress: every 2–4 years; last congress in Vienna in 1955. Next Congress in Central America in 1959.
Branch: For Latin America: Addr.: Catedral 1773, Santiago de Chile.

The Editor of the World Radio Handbook seeks information from all stations engaged in broadcasting and interested in international broadcasting and publishes the information as communicated to him by the stations. The Editor cannot be held responsible for the correctness of this information or for not publishing schedules and other particulars of stations which do not supply the information or for changes in the times and wavelengths of programmes made after the current edition has gone to press. **We ask you to pay attention to the last minute information and corrections; (see last page).**

YOUR BEST BUYS...
in Communications Receivers

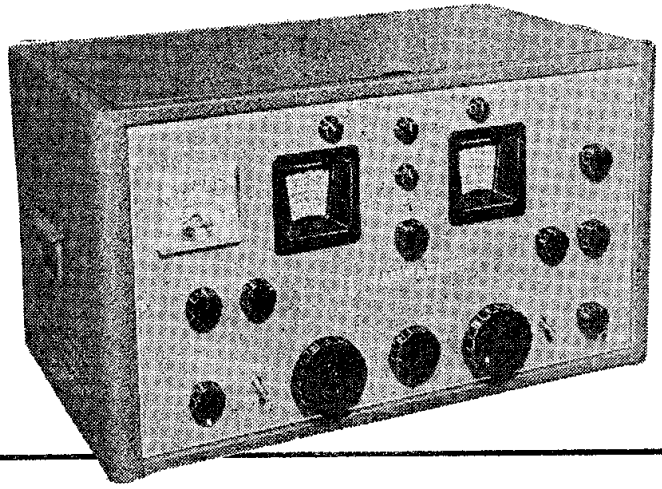
HQ-100

Q-multiplier for continuously variable selectivity. Electrical bandspread tuning. 10-tube superheterodyne with noise limiter. Auto-response circuit for finest fidelity under all conditions. Optional Telechron Timer. Completely voltage regulated and temperature compensated. Continuously tunable from 540 KCS to 30 MCS.



SUPER-pro 600

The last word in modern Communications Receivers . . . new in both electrical and mechanical concept. Combines the utmost in stability, sensitivity, precision tuning and mechanical reliability. A 20-tube dual conversion superheterodyne covering the range of 540 kc to 54 mc in six bands. Selected by the United States Government and almost every Government in Latin America.



HQ-150

A really different receiver. Combines Q-multiplier with crystal filter to provide the widest range of tuning techniques. Extra fine superheterodyne circuit with full noise limiter. Full 2-watt output. New, improved S meter with illuminated scale. Built-in crystal calibrator.

Established 1910

Write today for full details and illustrated literature on these and other Hammarlund Communications Receivers.

Hammarlund Manufacturing Company, Inc.

International Division: 13 East 40th Street, New York 16, N. Y.

advertisement hammarlund

WORLD TIME IN ALL COUNTRIES

DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead of G. M. T. Differences marked ÷ indicate number of hours behind G. M. T.

	Normal clock Time	Summer Time
Aden	+3	+3
Afghanistan	+4½	+4½
Alaska[1]	÷8	÷8
Albania	+1	+1
Algeria	+1	+1
Andorra	+1	+1
Angola	+1	+1
Argentina	÷3	÷3
Australia		
a) Victoria, New South Wales, Queensland. Tasmania, (Brisbane, Melbourne. Sydney)	+10	+10
b) N. Territory S. Australia	+9½	+9½
c) W. Australia	+8	+8
Austria	+1	+1
Azores	÷2	÷1 1/4-1/10
Bahamas	÷5	÷5
Bahrain	+4	+4
Barbados (W.I.)	÷4	÷4
Bechuanaland	+2	+2
Belgian Congo		
Leopoldville	+1	+1
Elisabethville	+2	+2
Belgium	+1	+1
Bermuda	÷4	÷4
Bolivia	÷4	÷4
Borneo, British North	+8	+8
Brazil		
a) Eastern and Coastal.	÷3	÷2
(Manaos)	÷4	÷3
Bulgaria	+2	+2
Burma	+6½	+6½
Cambodia	+7	+7
Cameroons, Fr.	+1	+1
Canada		
a) New Foundland	÷3½	÷2½
b) Atlantic (Labrador, Nova Scotia, Quebec)*)	÷4	25/4-25/9 ÷3
c) Eastern (Ontario)	÷5	÷4
d) Central (Manitoba)	÷6	÷5
e) Mountain (Alberta)	÷7	÷6
f) Pacific (Br. Columbia)	÷8	÷7
g) Yukon	÷9	÷8
Canary Islands	+1	+1
Canton Islands	÷11	÷11
Cap Verde Isl.	÷2	÷2
Ceylon	+5½	+5½
Chile	÷4	÷4
China	+8	+8
Colombia	÷5	÷5
Cook Isl.	÷10½	÷10½
Costa Rica	÷6	÷6
Cuba (W.I,)	÷5	÷5
Curacao	÷4½	÷4½
Cyprus	+2	+2

	Normal clock Time	Summer Time
Czechoslovakia	+1	+1
Dahomey	+1	+1
Denmark	+1	+1
Dominican R.	÷5	÷5
Ecuador	÷5	÷5
Egypt	+2	+2
Ellice Island	+12	+12
El Salvador	÷6	÷6
Eritrea	+3	+3
Ethiopia	+3	+3
Falkland Islands	÷4	÷4
Fiji Islands	+12	+12
Finland	+2	+2
France	+1	+1
F Eq. Africa	+1	+1
French West Africa (Senegal)	GMT	GMT
Gambia	GMT	GMT
Germany	+1	+1
Gibraltar	+1	+1
Gilbert Isl.	+12	+12
Goa (Port India)	+5½	+5½
Ghana	GMT	GMT
Great Britain	GMT	+1 **) 1/4-1/10
Greece	+2	+2
Greenland		
Thule area	÷4	÷4
Angmagsalik W. Coast exc. Thule	÷3	÷3
Scoresby Sound	÷2	÷2
Guadeloupe	÷4	÷4
Guam	+10	+10
Guatemala	÷6	÷6
Guiana (British)	÷3¾	÷3¾
Guiana (Dutch)	÷3.40	÷3.40
Guiana (French)	÷4	÷4
Guinea (French)	GMT	GMT
Guinea (Port.)	÷1	÷1
Guinea (Sp.)	+1	+1
Haiti (W.I.)	÷5	÷5
Hawaiian Isl.	÷10	÷10
Holland	+1	+1
Honduras (Rep.)	÷6	÷5½
Honduras (Brit.)	÷6	÷6
Hong Kong	+8	+9 1/4-31/10
Hungary	+1	+2 1/6-30/9
Iceland	÷1	GMT 3/4-31/10
India	+5½	+5½
Indonesia		
a) North Sumatra	+6½	+6½
b) South –	+7	+7
c) Java, Borneo, Bali	+7½	+7½
d) Celebes	+8	+8
e) Molucca Isl.	+8	+8
Iran (Persia)	+3½	+3½
Iraq	+3	+3
Ireland (Eire)	GMT	+1 15/4-15/10
Israel	+2	+3 1/6-15/9
Italy	+1	+1
Ivory Coast	GMT	GMT
Jamaica (W.I.)	÷5	÷5
Japan	+9	+9

	Normal clock Time	Summer Time
Johnston Isl.	÷11	÷11
Jordan	+2	+2
Kenya	+3	+3
Korea	+8½	+9½
Kuwait	+3	+3
Laos	+7	+7
Lebanon	+2	+2
Leeward Isl.	÷4	÷4
Liberia	÷¾	÷¾
Libya	+1	+2
Luxembourg	+1	+1
Macau	+8	+9 1/5-1/10
Madagascar	+3	+3
Madeira	÷1	GMT 1/4-1/10
Malaya	+7½	+7½
Malta	+1	+1
Marshall Isl.	+12	+12
Martinique	÷4	÷4
Mauretania	GMT	GMT
Mauritius	+4	+4
Mexico[3]	÷6	÷6
Monaco	+1	+1
Mongolia(Outer)	+8	+8
Morocco	GMT	GMT
(R. Dersa)	+1	+1
Mozambique	+2	+2
Nepal	+5.40	+5.40
Neth. Antilles	÷4½	÷4½
New Caledonia	+11	+11
New Guinea (Dutch)	+9½	+9½
New Guinea (Australian)	+10	+10
New Hebrides	+11	+11
New Zealand	+12	+12
Nicaragua	÷6	÷6
Nigeria	+1	+1
Norfolk Isl.	+11½	+11½
Norway	+1	+1
Pakistan		
a) West	+5	+5
b) East	+6	+6
Panama	÷5	÷5
Paraguay	÷4	÷4
Peru	÷5	÷5
Philippine Isl.	+8	+8
Poland	+1	+2
Portugal	GMT	+1 1/4-1/10
PuertoRico(W.I.)	÷4	÷4
Reunion	+4	+4
Rhodesia, (No.+So.)	+2	+2
Rumania	+2	+2
Ryukyu Isl.	+9	+9
Samoa Isl.	÷11	÷11
S. Pierre	÷4	÷3 1/4-15/10

	Normal clock Time	Summer Time
S. Tomé	GMT	+1 1/4-1/10
Sarawak	+8	+8
Saudi Arabia	+3	+3
Senegal	GMT	GMT
Seychelles Isl.	+4	+4
Sierra Leone	GMT	GMT
Solomon Isl.	+11	+11
Somaliland	+3	+3
Spain	+1	+1
Sudan	+2	+2
Sudan (French)	GMT	GMT
Surinam	÷3.40	÷3.40
Sweden	+1	+1
Switzerland	+1	+1
Syria	+2	+2
Taiwan	+8	+9 1/4-30/9
Tanganyika	+3	+3
Tangier	GMT	GMT
Tahiti	÷10	÷10
Tasmania	+10	+10
Thailand	+7	+7
Tibet	+6	+6
Togo	GMT	GMT
Trinidad (B.W.I.)	÷4	÷4
Tunesia	+1	+1
Turkey	+2	+2
Uganda	+3	+3
Union of So. Af.	+2	+2
Uruguay	÷3	÷3
U.S.S.R.		
Moscow, Leningrad	+3	+3
Baku	+4	+4
Sverdlovsk	+5	+5
Tashkent	+6	+6
Alma Ata	+6	+6
Novosibirsk	+7	+7
Irkutsk	+8	+8
Ulan Bator	+8	+8
Yakutsk	+9	+9
Khabarovsk	+10	+10
Petropavlovsk	+11	+11
U.S.A.		
a) Eastern Zone	÷5	÷4 1/5-1/10
b) Central Zone	÷6	÷5 1/5-1/10
c) Mountain Zone	÷7	÷6 1/5-1/10
d) Pacific Zone	÷8	÷7 1/5-1/10
Vatican	+1	+1
Venezuela	÷4½	÷4½
Vietnam	+7	+7
Vi rgin Isl.	÷4	÷4
Windward Isl.	÷4	÷4
Yemen	+3	+3
Yugoslavia	+1	+1
Zanzibar	+3	+3

1) a)) Ketchikan to Skagway ÷8
b) Skagway to 141°W. long ÷9
c) 141°W. long to 162°W. long ÷10
d) 162°W. long to Westernmostpoint (incl. Aleutians) ÷11

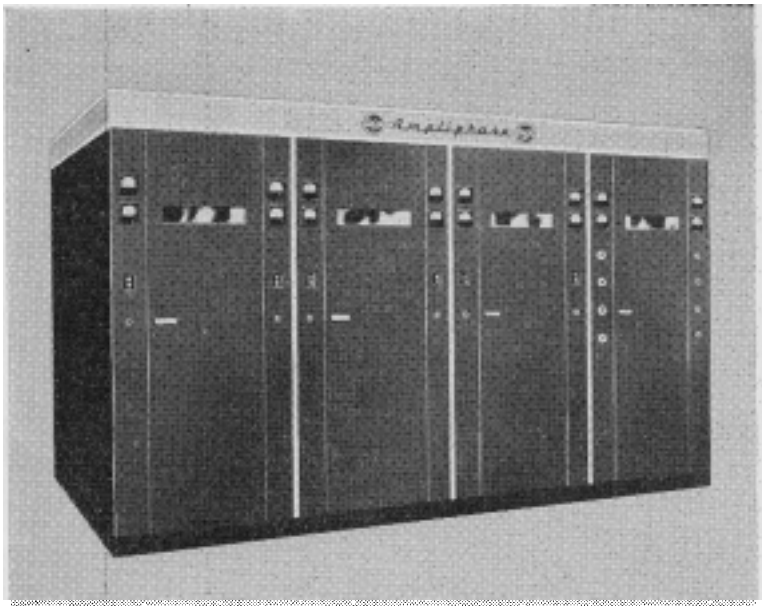
2) Generally ÷6
Lower Cal., Pa. coast ÷7
Lower Cal. No. part ÷8

* exc. the watch shore and Gaspé regions: 5 h. behind GMT.

** Summer Time in Britain starts at 02 hours GMT after the 3rd Sat. in Apr. (or 2nd Sat. if 3rd is Easter weekend) and runs until 02 h. GMT after the first Sat. in oct.

World-Famous for Proven Reliability and Performance

RCA SHORT-WAVE and MEDIUM-WAVE TRANSMITTERS



BTA-50G, the new RCA 50 KW AM "Ampliphase" transmitter, represents the most significant step since RCA introduced high-level modulation. It occupies half the floor space required by other 50 KW transmitters, cuts installation and operating costs, eliminates need for underfloor trenches, costly water cooling systems or external blowers. All components are easily accessible and can be quickly replaced.

Since its formation in 1919, Radio Corporation of America has been in the forefront of major advances in radio communications of every type. In virtually every corner of the globe RCA short-wave and medium-wave broadcast transmitters are providing day-in, day-out dependability under all extremes of climatic and operational conditions.

As the producer of the finest in transmitters, its experience in the radio industry is unparalleled.

At its research and engineering laboratories, RCA engineers conceive and develop the most advanced and improved circuits and mechanical components.

New RCA electron tubes and semi-conductors are being developed and produced to meet the changing needs of the entire industry, as well as specific RCA equipment.

For over a quarter of a century, RCA scientists have provided a constant flow of technical knowledge to the expanding radio and electronic industry ...and products, facilities, and services to the world.

The RCA monogram is universally recognized as a symbol of the radio age, that has brought new pleasures in entertainment, new techniques of communication, and new opportunities to millions of people throughout the world. It is a mark of quality and superior craftsmanship.

RCA broadcast transmitters have proven their economy and dependability in many years of long service for many types of broadcasters, such as the National Broadcasting Company network, the Finnish Broadcasting Company, Radio Pakistan, Radio Istanbul, and hundreds of private broadcasters.

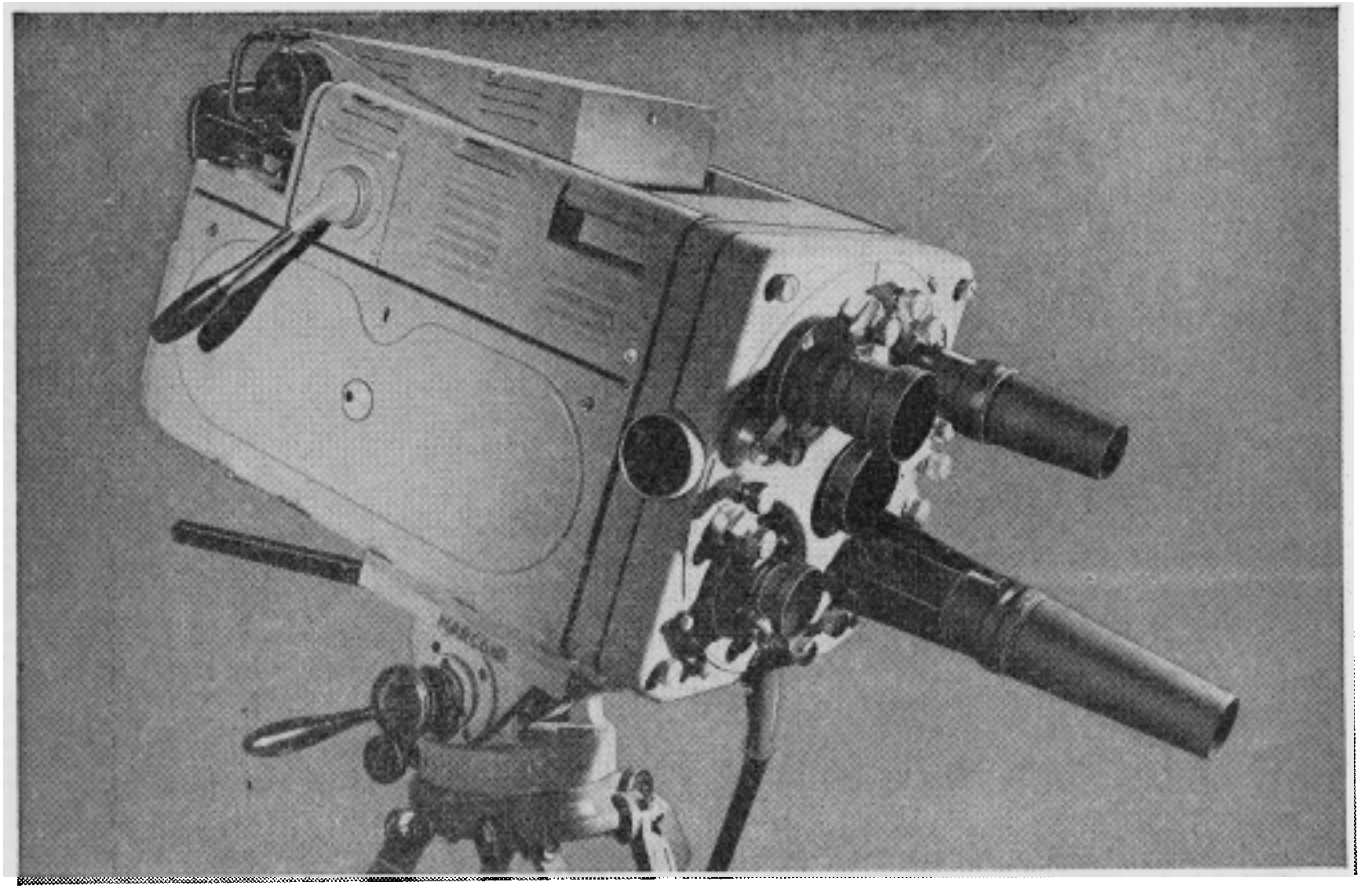
RCA short-wave communications transmitters are preferred by many governmental and private communications organizations. Transmitters up to 1.2 megawatts of output have been built by RCA, and are used around the world to provide every type of radio communications.

For the best investment in short and medium-wave transmitters see your RCA Distributor or write to Dept. BE-50-L RCA International Division, Radio Corporation of America, 30 Rockefeller Plaza, New York 20, N.Y., U.S.A.

RCA INTERNATIONAL DIVISION
RADIO CORPORATION OF AMERICA
30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y., U.S.A.

TRADEMARK ® REGISTERED

advertisement RCA Radio Corporation of America



Marconi Camera Channels

IMAGE ORTHICON CAMERA Type BD808 (illustrated)

Features

- Uses either 3″ or 4½″ Image Orthicons.
- Designed for ease of servicing, excellent accessibility and plug-in sub-units.
- Four position turret will carry any combination from 2-inch to 40-inch lenses. 80-inch and zoom lenses may also be used.
- Viewfinder can be tilted up or down to give the most comfortable viewing position.
- Camera Control Unit may be used with 10″ picture tube and 3″ waveform tube, or with 14″ picture tube and 5″ waveform tube.
- Remote control of light intensity by variable graded filter.
- Optional remote control of focus and turret. Optional semi-automatic alignment circuit.
- Built-in turret for neutral density and colour filters.
- Full range of accessories available for both studio and outside broadcast roles.

BROADCAST VIDICON CAMERA Type BD864

The most recent addition to the Marconi range of Television Equipment.

Features

- Compact, easily operated by one man. The camera has integral viewfinder with 7″ tube and 2¾″ waveform monitor and includes all operational controls.
- Channel consists of Camera and Power Supply only—but optional Remote C.C.U. and Monitor position available.
- Use of close-tolerance double-triodes in all valve circuits except one and printed wiring assemblies ensures great reliability.
- Rapid semi-automatic beam alignment, built-in aperture correction and gamma correction circuits are provided. Designed to make the best use of any of the present Vidicon tubes and with ample flexibility to deal with foreseeable developments.
- 4-position turret with positive location takes wide range of fixed and zoom lenses.

MARCONI

COMPLETE SOUND BROADCASTING AND TELEVISION SYSTEMS

MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED, CHELMSFORD, ESSEX, ENGLAND

LB9

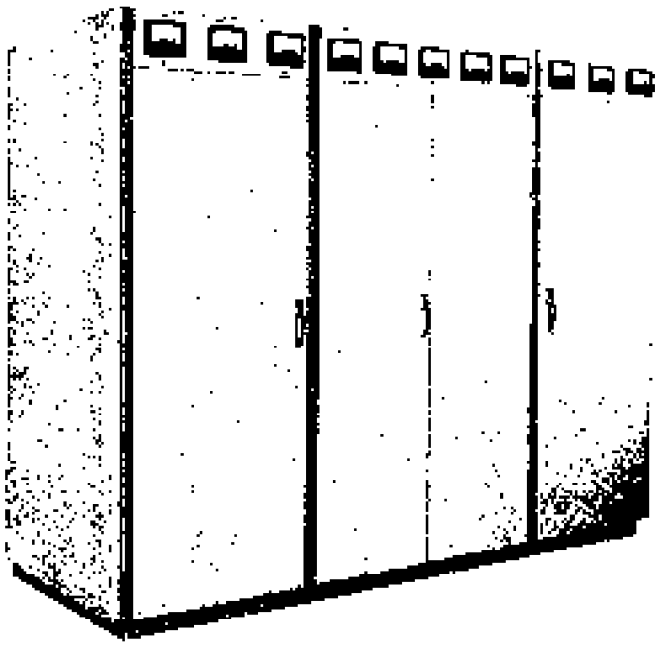
advertisement marconi wireless telegraph company

TABLE OF ALLOCATION OF CALL SIGNS

The first character or the first two characters of a call sign indicates the nationality of the station using it.

AAA–ALZ	U.S.A.
AMA–AOZ[1])	Spain
APA–ASZ	Pakistan
ATA–AWZ	India
AXA–AXZ	Australia
AYA–AZZ	Argentine
BAA–BZZ	China
CAA–CEZ	Chile
CFA–CKZ	Canada
CLA–CMZ	Cuba
CNA–CNZ	Morocco (French)
COA–COZ	Cuba
CPA–CPZ	Bolivia
CQA–CRZ	Portuguese Colonies
CSA–CUZ	Portugal
CVA–CXZ	Uruguay
CYA–CZZ	Canada
DAA–DMZ	Germany
DNA–DQZ	Belgian Congo
DRA–DTZ	Bielorussian S.S.R.
DUA–DZZ	Philippines
EAA–EHZ	Spain
EIA–EJZ	Ireland
EKA–EKZ	U.S.S.R.
ELA–ELZ	Liberia
EMA–EOZ	U.S.S.R.
EPA–EQZ	Iran
ERA–ERZ	U.S.S.R.
ESA–ESZ	Estonia
ETA–ETZ	Ethiopia
EUA–EZZ	U.S.S.R.
FAA–FZZ	France and Colonies
GAA–GZZ	United Kingdom
HAA–HAZ	Hungary
HBA–HBZ	Switzerland
HCA–HDZ	Ecuador
HEA–HEZ	Switzerland
HFA–HFZ	Poland
HGA–HGZ	Hungary
HHA–HHZ	Haiti
HIA–HIZ	Dominican Rep.
HJA–HKZ	Colombia
HLA–HMZ	Korea
HNA–HNZ	Iraq
HOA–HPZ	Panama
HQA–HRZ	Honduras
HSA–HSZ	Thailand
HTA–HTZ	Nicaragua
HUA–HUZ	El Salvador
HVA–HVZ	Vatican City State
HWA–HYZ	France and Colonies
HZA–HZZ	Saudi Arabia
IAA–IZZ	Italy and Colonies
JAA–JSZ	Japan
JTA–JVZ	Mongol. People's R.
JWA–JXZ	Norway
JYA–JYZ[1])	Jordan
JZA–JZZ[1])	Netherl. N. Guinea
KAA–KZZ	U.S.A.
LAA–LNZ	Norway
LOA–LWZ	Argentine
LXA–LXZ	Luxembourg
LYA–LYZ	Lithuania
LZA–LZZ	Bulgaria
MAA–MZZ	United Kingdom
NAA–NZZ	U.S.A.
OAA–OCZ	Peru
ODA–ODZ	Lebanon
OEA–OEZ	Austria
OFA–OJZ	Finland
OKA–OMZ	Czechoslovakia
ONA–OTZ	Belgium and Colonies
OUA–OZZ	Denmark
PAA–PIZ	Netherlands
PJA–PJZ	Netherlands Antilles
PKA–POZ	Indonesia
PPA–PYZ	Brazil
PZA–PZZ	Surinam
QAA–QZZ	(Service abbreviat.)
RAA–RZZ	U.S.S.R.
SAA–SMZ	Sweden
SNA–SRZ	Poland
SSA–SUZ	Egypt
SVA–SZZ	Greece
TAA–TCZ	Turkey
TDA–TDZ	Guatemala
TEA–TEZ	Costa Rica
TFA–TFZ	Iceland
TGA–TGZ	Guatemala
THA–THZ	France and Colonies
TIA–TIZ	Costa Rica
TJA–TZZ	France and Colonies
UAA–UQZ	U.S.S.R.
URA–UTZ	Ukrainian U.S.S.R.
UUA–UZZ	U.S.S.R.
VAA–VGZ	Canada
VHA–VNZ	Australia
VOA–VOZ	Canada
VPA–VSZ	British Colonies
VTA–VWZ	India
VXA–VYZ	Canada
VZA–VZZ	Australia
WAA–WZZ	U.S.A.
XAA–XIZ	Mexico
XJA–XOZ	Canada
XPA–XPZ	Denmark
XQA–XRZ	Chile
XSA–XSZ	China
XTA–XTZ	France and Colonies
XUA–XUZ[1])	Cambodia
XVA–XVZ[1])	Vietnam
XWA–XWZ[1])	Laos
XXA–XXZ	Portuguese Colonies
XYA–XZZ	Burma
YAA–YAZ	Afghanistan
YBA–YHZ	Indonesia
YIA–YIZ	Iraq
YJA–YJZ	New Hebrides
YKA–YKZ	Syrian Republic
YLA–YLZ	Latvia
YMA–YMZ	Turkey
YNA–YNZ	Nicaragua
YOA–YRZ	Roumania
YSA–YSZ	El Salvador
YTA–YUZ	Yugoslavia
YVA–YYZ	Venezuela
YZA–YZZ	Yugoslavia
ZAA–ZAZ	Albania
ZBA–ZJZ	British Colonies
ZKA–ZMZ	New Zealand
ZNA–ZOZ	British Colonies
ZPA–ZPZ	Paraguay
ZQA–ZQZ	British Colonies
ZRA–ZUZ	Union of S. Africa
ZVA–ZZZ	Brazil
2AA–2ZZ	United Kingdom
3AA–3AZ	Monaco
3BA–3FZ	Canada
3GA–3GZ	Chile
3HA–3UZ	China
3VA–3VZ	France and Colonies
3WA–3WZ[1])	Vietnam
3YA–3YZ	Norway
3ZA–3ZZ	Poland
4AA–4CZ	Mexico
4DA–4IZ	Philippines
4JA–4LZ	U.S.S.R.
4MA–4MZ	Venezuela
4NA–4OZ	Yugoslavia
4PA–4SZ	British Colonies
4TA–4TZ	Peru
4UA–4UZ	United Nations
4VA–4VZ	Haiti
4WA–4WZ	Yemen
4XA–4XZ[1])	Israel
4YA–4YZ[1])	Intern. Civil Aviation Org.
5AA–5AZ	Libya
5CA–5CZ[1])	Morocco (French)
5LA–5LZ[1])	Liberia
9AA–9AZ[1])	San-Marino
9NA–9NZ[1])	Nepal
9SA–9SZ[1])	Saar Territory

[1]) Provisionally



5 kw FM Broadcasting Transmitter

Frequency stability: better than ± 1 kc/s on the output frequency.
Linear distortion: better than ± 1 dB.
Non-linear distortion: less than

1.5 % from 30–100 c/s
1.0 % from 100–15000 c/s.

Storno

Manufacturers of Radio Communication Equipment

Div. of The Great Northern Telegraph Co.
Ved Amagerbanen 21, Copenhagen S.
Denmark.

WE CAN HAVE FAITH IN RADIO

Apart from the general programmes aimed at the development of education, science and culture, Unesco is concentrating on three major projects: the promotion of elementary education in Latin America, the transformation of the world's arid zones into fertile lands and the mutual appreciation of Occidental and Oriental cultural values.

The medium of broadcasting should prove particularly useful to all educational and cultural projects. While the astonishing rise in popularity of television in some parts of the world undoubtedly has changed many listeners into viewers, we must not forget that there will be no television in vast areas of technically less-developed countries for decades to come.

Moreover there are more than 3,000 main languages being spoken all over the world, excluding dialects, most of them with no literature of their own. Broadcasting is the only practical way in which the masses in Africa and Asia may be reached in their own tongues. A recent survey of world illiteracy has revealed that, although the number of schools is growing it cannot keep pace with the world's population. In fact, illiterates are still on the increase. Mankind can send new moons to the sky but is not able to solve the problem of ignorance here on earth.

For financial and technical reasons, sound radio is bound to dominate the field for years to come, even if television could give more effective help. The challenge of *to-day* in those technically less developed countries is to develop the use of education by sound radio so as to make both adults and children ready for the new oppertunities of life to which those people are entitled. It is a great challenge.

Over a period of years Unesco has established close contacts with broadcasters and radio organizations in its Member states. As a generally policy Unesco will seek to provide such services as are not readily available and which it is able to provide by virtue of its international status. Unesco will increase its efforts to promote a free exchange of radio programmes on educational, scientific and cultural themes. In particular, it will invite Member states to produce documentary, round-table and other programmes within the framework of their national organizations which may enhance the appreciation of differing cultures.

Broadcasting recognize no frontiers. The Hertzian waves already carry the word around the world and it is a question of time only before the image also can be added. No media of communication can at any particular time bring people more closely together, and teach them to live together and work together than can radio. We can have faith in the radio.

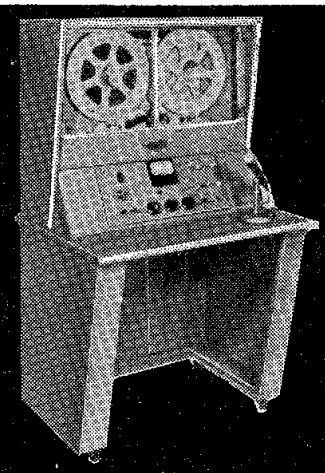
The *World Radio Handbook* has been serving the world radio community for over ten years and in doing so it continues to fulfil a very important mission. *Walter Steigner*, Director UNESCO Radiodivision.

SOCIEDAD ESPAÑOLA DE RADIODIFUSION (S. E. R.)

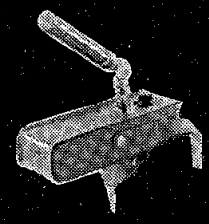
Oficinas Centrales: Avenida de José Antonio, 32. Madrid. España.

Emisoras que integran la Cadena radiofónica comercial SER.

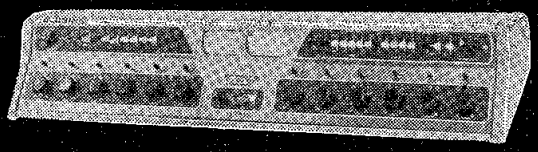
EAJ 1 Radio Barcelona.
Caspe, 12.
EAJ 3 Radio Valencia.
Don Juan de Austria, 5.
EAJ 4 Radio Galicia.
Plaza Universidad, núm. 5. (Santiago).
EAJ 5 Radio Sevilla.
Rafael González Ambreu, 4.
EAJ 7 RADIO MADRID
Av. de José Antonio, 32. (Emisora Central).
EAJ 8 Radio San Sebastián.
Avenida de España, 27.
EAJ 11 Radio Reus.
Arrabal de Santa Ana, 50.
EAJ 13 Radio Mallorca.
Paz, 12.
EAJ 14 Radio Castellón.
Moyano, 1.
EAJ 16 Radio Granada.
Gran Vía, 27.
EAJ 17 Radio Murcia.
Plaza de Cetina, 2.
EAJ 18 Radio Rioja.
Avenida de Portugal, 12. (Logroño).
EAJ 22 Radio Huesca.
San Salvador, 19.
EAJ 23 Radio Gandía.
San Pascual, 15.
EAJ 27 Radio Castilla.
Espolón, 40. Burgos.
EAJ 28 Radio Bilbao.
Rodríguez Arias, 8.
EAJ 31 Radio Alicante.
García Morato, 55.
EAJ 32 Radio Santander.
Palacio del Real Club de Regatas.
EAJ 34 Radio Gijon.
Moros, 45.
EAJ 40 Radio Pontevedra.
Peregrina, 10.
EAJ 41 Radio Coruña.
Fontán, 3.
EAJ 44 Radio Albacete.
Pasaje de Lodares, 4.
EAJ 47 Radio Valladolid.
General Mola, 1.
EAJ 48 Radio Vigo.
Príncipe, 53
EAJ 50 Radio Las Palmas.
Viera y Clavijo, 32.
EAJ 52 Radio Extremadura.
Teniente Coronel Yagüe, 2. Badajoz.
EAJ 54 Radio Alcira.
Plaza del Caudillo, 51.
EAJ 56 Radio Salamanca.
Rosa, 2.
EAJ 58 Radio Jerez.
Angustias, 11.
EAJ 61 Radio Jaén.
Bernabé Soriano, 18.
EAJ 62 Radio Vitoria.
Postas, 19.
EAJ 64 Radio Segovia.
San Augustín, 5.
EAJ 65 Radio Ciudad Real,
Avenida de los Mártires, 10.
EAJ 72 Radio Zamora.
San Torcuato, 20.
Radio Mediterráneo (O. C.)
Avenida del Marqués de Sotelo, 2. Valencia.
Radio Internacional.
Goya, 34 (Tánger).
EAJ 101 Radio Zaragoza.
Avenida Marina Moreno, 21.



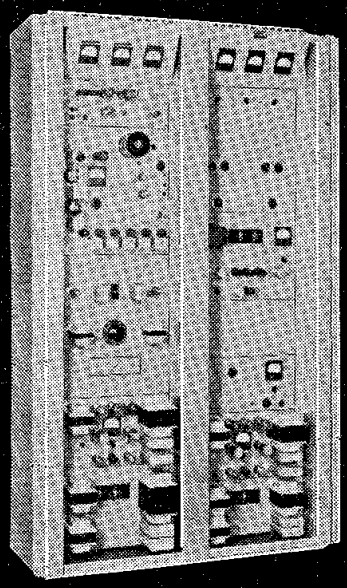
AUTO STATION—
PRODUCTION UNIT



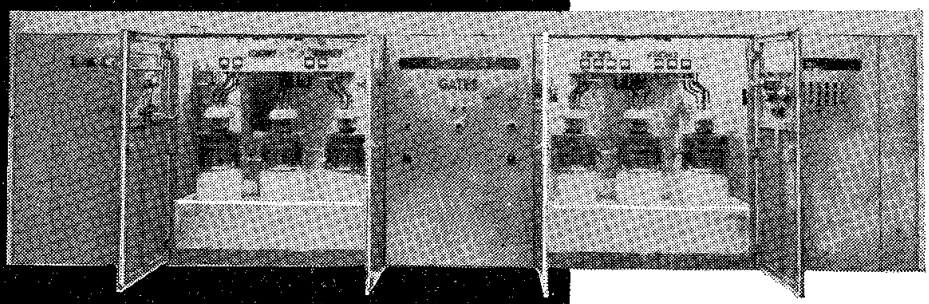
MICROPHONES



DUAL CHANNEL CONSOLE



TV TRANSMITTER



50 KW. A.M. TRANSMITTER

GATES BROADCASTING EQUIPMENT

GATES is the largest supplier of AM radio broadcasting equipment in the U.S.A. The prime reason for GATES' popularity everywhere, is that while maintaining the highest standards of Quality, GATES equipment is always competitively priced—and equally important, costs less to install and to operate. Why not write today for descriptive literature and engineering data on this modern GATES equipment.

A full line of AM & FM broadcasting, television and communication transmitters from 250 watts to 50 kw.

● Speech Input Equipment • Transmitter Control Consoles • Master Control Consoles • Speech Input Consoles • Plug-In Preamplifiers • General Purpose Consoles • Transcription Turntables • Mobile Sound Effects Console • Automatic Programming Equipment.

● Remote Amplifier Equipment • Directional Phasing Equipment • Monitoring Equipment • Oscillators • Remote Control Equipment.

MANUFACTURING ENGINEERS SINCE 1922

GATES RADIO COMPANY

INTERNATIONAL DIVISION

13 E. 40th Street, New York 16, N. Y., U.S.A. *Cables:* ARLAB

advertisement Gates

TABLE OF THE MOST SUITABLE METRE BANDS

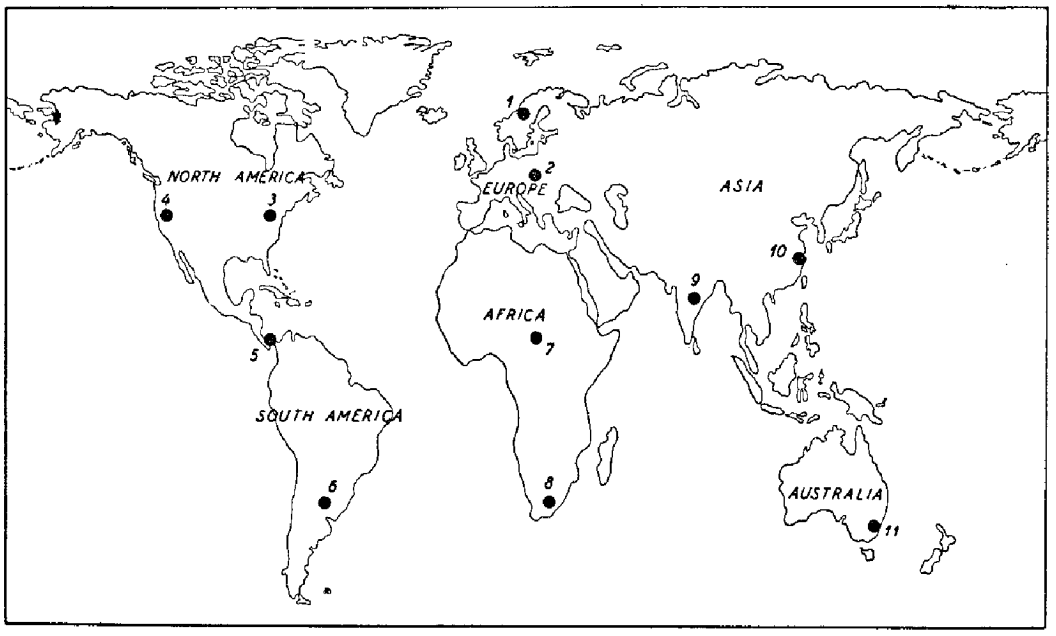
FOR BEST SHORT-WAVE RECEPTION IN EVERY PART OF THE WORLD AT VARIOUS TIMES OF THE DAY IN 1958.

Note: The figures in the table below are calculated for a specific point within each area as indicated on the chart below. The area numbers on the chart refer to the numbers indicated in the left-hand column of the table.

The figures in the table can be regarded only as average figures, as conditions will vary considerably from time to time due to irregularities in the ionosphere.

Example: A listener located in the eastern part of No. Am. (area 3) wishes to hear a station in the so. part of Af. (area 8) on a Jan. evening (21 local time). By following the horizontal column of figures starting at No. Am., East, on the left until it meets the vertical columns under the area no. 8 in the section for the months Nov., Dec., Jan. and Feb. on the right, he will come to the figure 25. This means that the 25 m. b. is the most suitable for listening to the required station at that time.

The listener's area	Local time	Area of the transmitting station																																							
		May			June		July		August				March			April		Sept.		October			Nov.			Dec.		Jan.		Feb.											
		1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7
1. Scandinavia	9	25	25	25	25	16	25	16	16	16	16	16	31	25	25	25	19	25	13	13	13	13	13	25	16	31	25	31	25	13	13	13	13	13	16	16	13	31	13	13	13
	15	25	25	16	25	16	13	13	16	16	16	19	31	19	16	19	16	13	13	13	13	16	16	16	16	13	31	13	13	13	13	13	16	31	25	25	25	25	25	25	25
	21	25	25	16	19	16	13	16	13	16	16	25	31	25	16	16	13	19	16	16	16	25	19	41	49	25	25	25	25	25	31	31	31	31	31	31	31	31	31	31	31
2. Central-Europe	9	25	19	25	19	16	25	13	13	13	16	5	25	25	25	25	25	19	13	13	13	13	13	16	16	31	31	31	13	13	13	13	13	13	13	13	13	13	13	13	13
	15	25	25	16	16	13	13	13	13	13	16	25	19	19	13	16	13	13	13	13	13	13	13	16	16	13	13	13	13	13	13	13	13	25	13	13	13	13	13	13	13
	21	25	25	16	16	13	13	16	13	13	16	25	25	31	13	19	16	19	16	13	19	16	16	49	41	25	19	19	25	31	19	31	31	31	13	13	13	13	13	13	13
3. North America, East	9	16	25	31	16	13	13	13	13	16	19	19	16	13	31	16	13	13	13	13	16	19	16	13	13	31	16	16	13	13	13	16	41	13	13	13	13	13	13	13	13
	15	16	16	31	13	13	13	13	13	16	16	13	16	13	25	13	13	13	13	13	19	16	19	25	25	16	13	13	13	13	13	25	25	16	16	16	16	16	16	16	16
	21	16	16	31	13	16	13	16	16	16	16	13	25	25	31	13	16	19	16	19	19	16	19	31	41	31	13	25	25	25	25	25	13	19	19	19	19	19	19	19	19
4. North America, West	9	25	16	13	25	16	13	16	19	16	16	31	16	16	13	16	13	13	16	13	16	19	25	19	13	13	13	13	13	25	13	31	31	16	16	16	16	16	16	16	16
	15	19	16	13	19	16	13	16	25	16	16	13	19	25	13	13	13	13	13	13	19	13	13	25	41	13	13	13	13	13	13	31	13	13	13	13	13	13	13	13	13
	21	25	19	13	19	16	16	16	41	13	16	13	19	31	16	25	16	19	19	19	16	13	13	25	41	13	25	25	19	25	25	25	25	19	19	19	19	19	19	19	19
5. South America, North	9	16	13	13	16	19	13	13	13	13	13	13	16	13	13	13	16	13	13	13	13	16	19	13	13	13	16	13	13	13	13	19	31	16	16	16	16	16	16	16	16
	15	16	13	13	13	19	13	13	16	13	16	16	13	16	13	13	16	13	13	13	16	13	13	19	19	13	13	13	13	13	13	31	31	13	13	13	13	13	13	13	13
	21	16	13	16	13	19	13	16	25	13	13	13	25	25	16	13	19	13	13	25	16	13	13	41	41	25	16	19	13	25	16	25	16	13	13	13	13	13	13	13	13
6. South America, South	9	13	13	13	19	13	13	13	13	13	25	25	13	13	13	25	13	16	13	13	13	25	19	13	13	13	25	13	13	13	13	13	25	13	13	13	13	13	13	13	13
	15	13	13	13	13	13	13	13	13	13	13	25	13	16	13	13	13	16	13	13	13	19	19	13	19	13	13	13	13	13	13	13	25	16	16	16	16	16	16	16	16
	21	16	16	13	13	13	16	13	31	25	13	25	25	25	16	13	13	19	13	19	25	13	19	31	31	19	13	13	16	13	13	19	13	13	13	13	13	13	13	13	13
7. Africa, North	9	16	13	19	19	16	19	25	13	13	13	13	13	13	25	25	16	16	13	13	13	13	13	13	13	25	25	25	13	13	13	13	13	13	13	13	13	13	13	13	13
	15	13	13	13	19	13	13	19	13	13	13	19	13	13	13	16	13	13	13	13	13	16	16	13	13	13	31	13	13	13	13	13	19	13	13	13	13	13	13	13	13
	21	16	16	13	16	13	13	19	13	13	13	25	16	16	13	13	13	13	13	13	13	19	19	25	25	13	13	13	13	13	13	13	25	13	13	13	13	13	13	13	13
8. Africa, South	9	25	13	16	25	25	31	13	19	13	13	13	13	13	19	25	13	19	13	16	13	13	13	13	13	25	25	19	13	13	16	13	13	16	13	13	13	13	13	13	13
	15	16	13	13	19	13	13	13	19	13	13	16	13	13	13	16	13	13	13	13	13	13	16	13	13	13	25	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	21	16	13	13	16	13	19	13	31	13	13	25	16	13	13	13	13	16	13	19	13	13	25	31	19	13	13	13	13	13	19	13	13	25	13	13	13	13	13	13	13
9. South Asia	9	16	16	16	13	13	25	13	19	16	13	13	16	25	19	13	16	19	19	16	31	13	13	31	41	25	19	25	16	25	13	13	13	13	13	13	13	13	13	13	13
	15	16	13	25	13	16	19	13	13	13	13	13	13	13	25	25	19	16	13	13	19	13	13	13	13	25	25	25	13	13	13	13	13	13	13	13	13	13	13	13	13
	21	16	13	16	16	13	13	13	13	13	13	19	13	13	16	19	13	13	13	13	16	13	16	19	13	16	25	25	13	13	13	13	13	13	13	13	13	13	13	13	13
10. East Asia	9	19	16	16	16	13	13	13	16	13	19	13	25	19	13	13	13	13	19	16	19	13	13	31	31	13	13	16	13	25	16	25	19	13	13	13	13	13	13	13	13
	15	16	13	19	16	13	25	13	13	13	19	13	16	13	19	13	16	19	13	13	13	13	13	16	13	25	25	25	13	13	13	13	13	13	13	13	13	13	13	13	13
	21	16	16	25	16	13	25	13	13	13	19	13	13	13	25	25	19	25	13	13	13	13	13	16	16	41	31	31	25	13	13	13	16	13	13	13	13	13	13	13	13
11. Australia	9	19	16	13	13	13	19	13	25	19	13	19	25	16	13	13	13	16	16	25	19	13	19	31	31	16	13	13	13	13	13	19	19	13	16	16	16	16	16	16	16
	15	16	13	16	13	13	31	13	16	13	13	19	16	13	19	13	13	19	13	13	13	13	19	16	13	25	19	13	13	13	16	13	13	16	13	13	13	13	13	13	13
	21	16	16	19	31	13	31	13	13	13	13	31	13	13	13	19	16	19	13	13	13	13	25	13	13	16	31	19	13	13	16	13	13	16	13	13	13	13	13	13	13

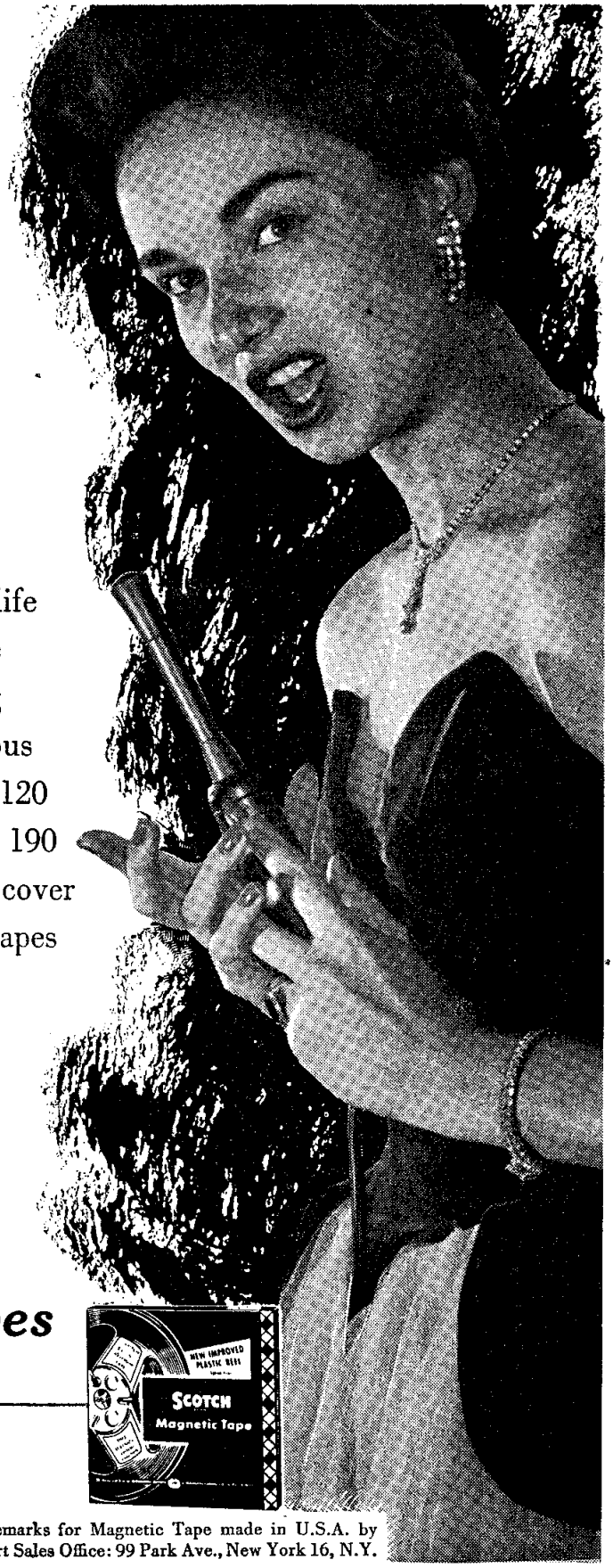


1. Scandinavia
2. Central-Europe
3. North America, East
4. North America, West
5. South America, North
6. South America, South
7. Africa, North
8. Africa, South
9. South Asia
10. East Asia
11. Australia

Enjoy your favorite radio programs any time . . . recorded on the

WORLD'S FAVORITE MAGNETIC RECORDING TAPES!

Concert artists . . . symphony orchestras . . . distant foreign stations . . . they all come to life again with amazing fidelity when you preserve them on "SCOTCH" Brand Magnetic Recording Tapes. A complete line to choose from: famous 111 Tape for low-cost recordings . . . brilliant 120 High Output Tape for highest fidelity . . . new 190 Extra Play Tape for added recording time. Discover for yourself why "SCOTCH" Brand Magnetic Tapes outsell all others. Ask for a demonstration at your dealer's today!



REG. TRADEMARK

SCOTCH

BRAND

Magnetic Recording Tapes

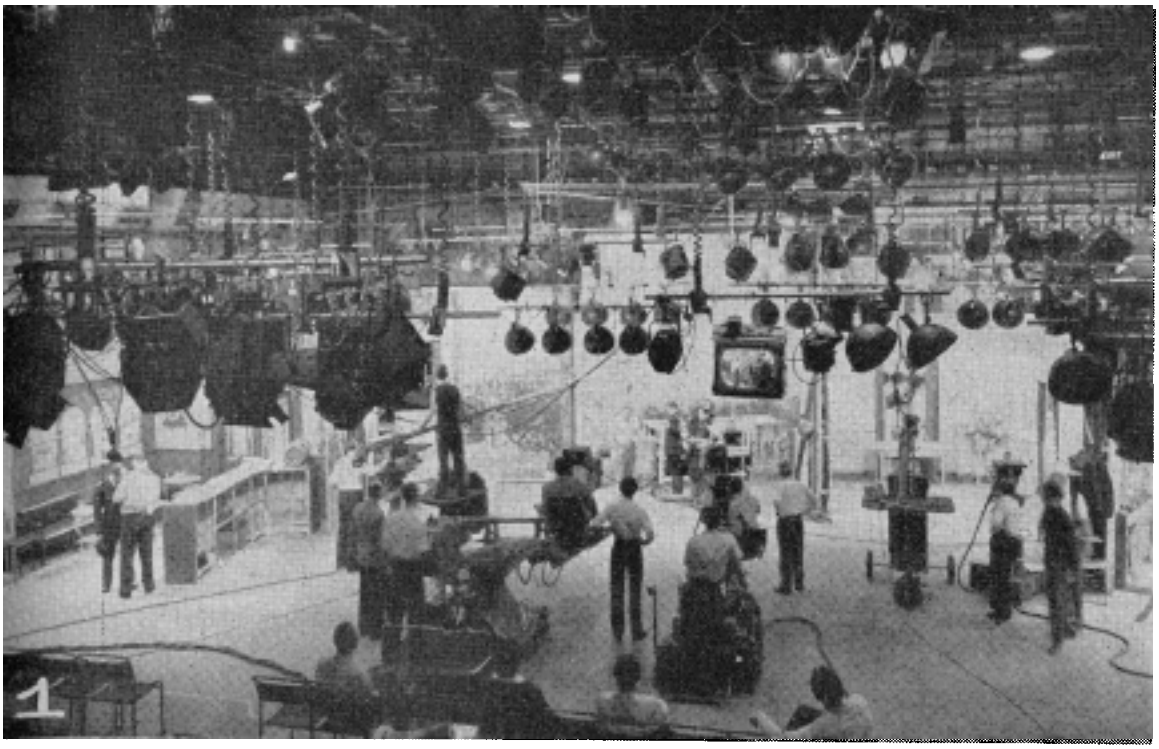
3M COMPANY

The term "SCOTCH" and the plaid design are registered trademarks for Magnetic Tape made in U.S.A. by MINNESOTA MINING AND MFG. CO., St. Paul 6, Minn. Export Sales Office: 99 Park Ave., New York 16, N.Y.

advertisement Scotch

advertisement Manila Broadcasting Company Philippines MBC

EUROPE



1. B.B.C. TELEVISION:

Rehearsal in progress in a B. B. C. Television studio – showing the lighting battens and the self-coiling cables which supply the illuminators.

2. RADIO ROMA:

The Japanese speakers.

3. THE SWISS BROADCASTING SERVICE:

Lance Tschannen interviewing William Tell and his son at the Interlaken play.

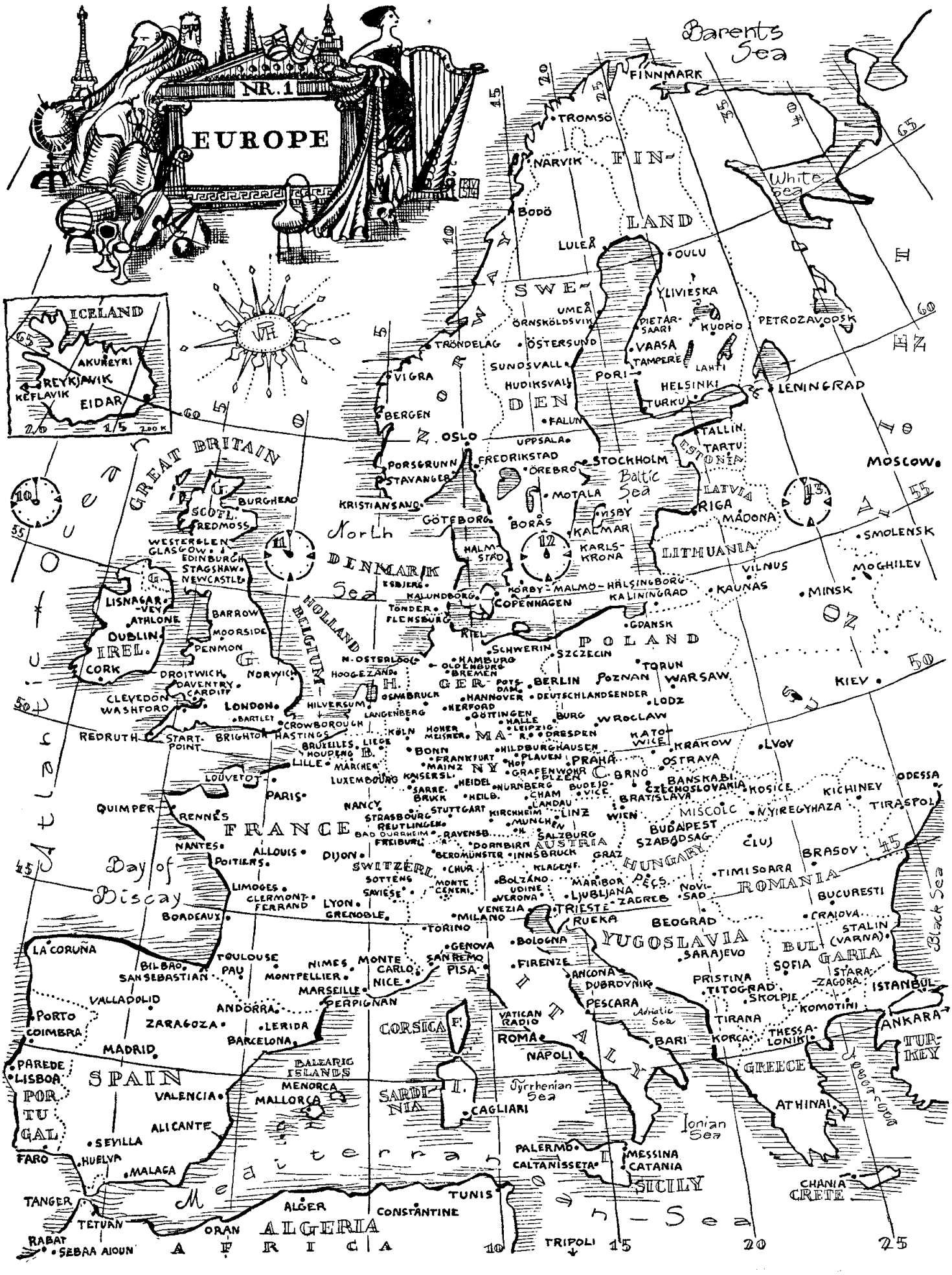
4. SOCIEDAD ESPANOLA de RADIODIFUSION:

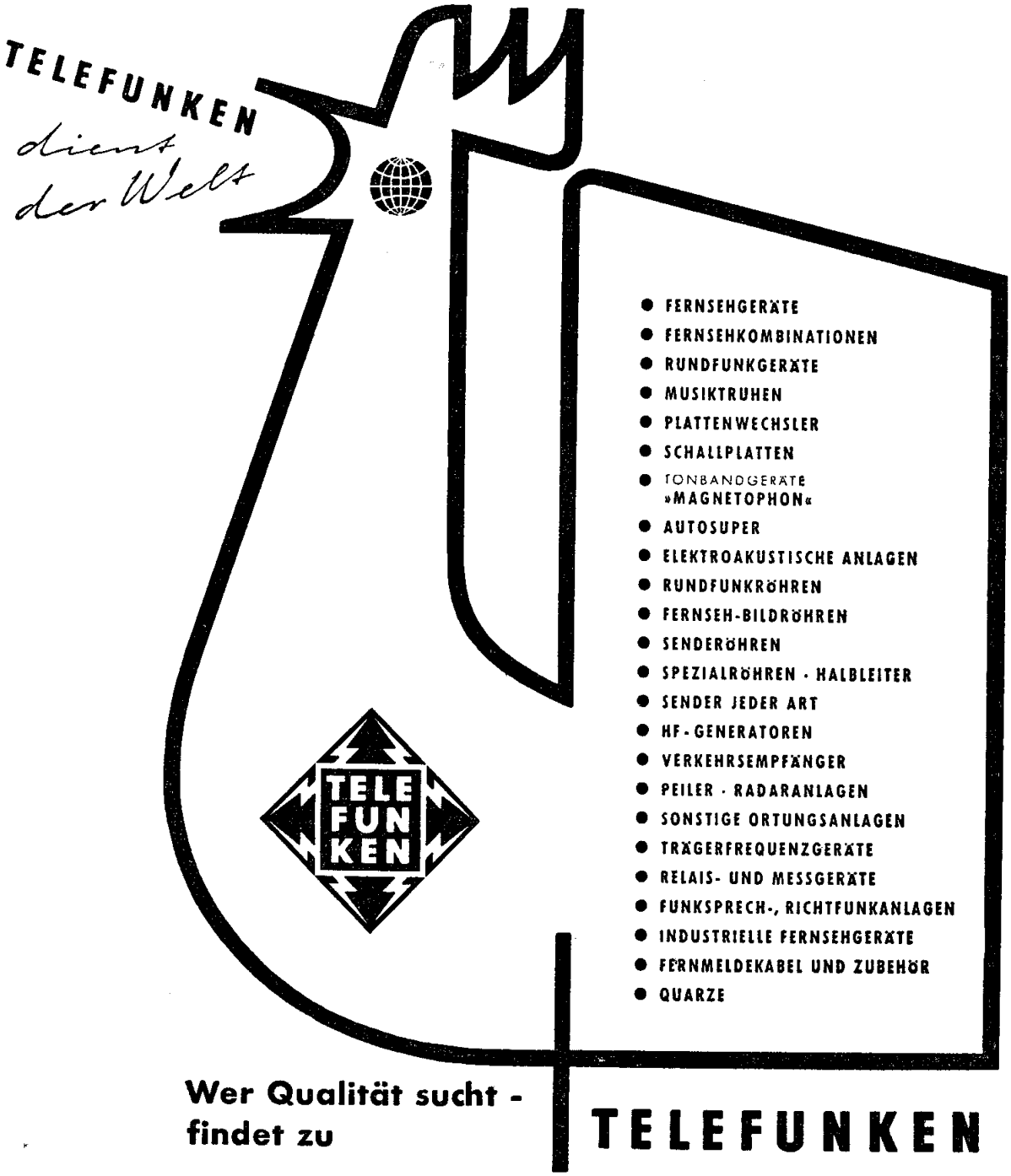
The world famous Spanish painter *Salvador Dali* was interviewed by announcer Bobby Deglane in the studios of Sociedad Espanola de Radiodiffusion.

5. RADIO SWEDEN:

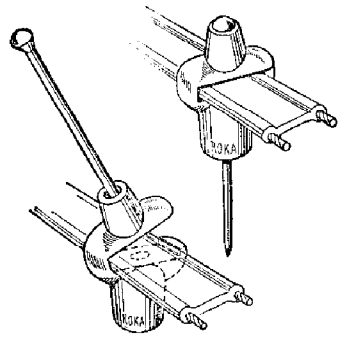
Gertrud Fridh reads »the Message to Maria«.

BBC Television Europe Radio Roma Italy Great Britain SBC Switzerland Lance Tschannen William Tell Cadena SER Spain Salvador Dali Bobby Deglane Radio Sweden Gertrud Frith


NR. 1
EUROPE
Barents Sea
White Sea
FINMARK
TROMSÖ
NARVIK
BODÖ
FIN-LAND
LULEÅ
OULU
SWE-DEN
UMEÅ
ÖRNSKÖLDSVIK
ÖSTERSUND
YLIVIESKA
PIETÄR-SAARI
KUOPIO
PETROZAVODSK
VAASA
TAMPERE
LAHTI
PORI
HELSINKI
TURKU
LENINGRAD
TRÖNDELAG
SUNDSVALL
HUDIKSVALL
VIGRA
BERGEN
FALUN
OSLO
UPPSALA
TALLIN
TARTU
ESTONIA
MOSCOW
PORSGRUNN
STAVANGER
FREDRIKSTAD
ÖREBRO
STOCKHOLM
Baltic Sea
MOTALA
LATVIA
RIGA
MÅDONA
KRISTIANSAND
GÖTEBORG
BORÅS
VISBY
KALMAR
SMOLENSK
GREAT BRITAIN
SCOTL.
BURGHEAD
REDMOSS
WESTERGLEN
GLASGOW
EDINBURGH
STAGSHAW
NEWCASTLE
North Sea
DENMARK
HALMSTAD
KARLSKRONA
LITHUANIA
VILNUS
MOGHILEV
ESBJERG
KALUNDBORG
HÖRBY-MALMÖ-HÄLSINGBORG
KALININGRAD
KAUNAS
MINSK
LISNAGARVEY
ATHLONE
BARROW
MOORSIDE
DUBLIN
IREL.
PENMON
TÖNDER
FLENSBURG
COPENHAGEN
GDANSK
HOLLAND
BELGIUM
KIEL
POLAND
CORK
DROITWICH
DAVENTRY
CARDIFF
NORWICH
N. OSTERLOOG
HOOGEZAND
HAMBURG
OLDENBURG
BREMEN
SCHWERIN
SZCZECIN
TORUN
POTSDAM
BERLIN
POZNAN
WARSAW
CLEVEDON
WASHFORD
LONDON
BARTLET
HILVERSUM
OSNABRUCK
HANNOVER
DEUTSCHLANDSENDER
LODZ
KIEV
LANGENBERG
NEHFORD
GÖTTINGEN
HALLE
BURG
WROCLAW
REDRUTH
START-POINT
BRIGHTON
HASTINGS
CROWBOROUGH
BRUXELLES
LIEGE
HOUDENG
KÖLN
HOHER MEISNER
LEIPZIG
DRESPEN
KATOWICE
KRAKOW
LVOV
LILLE
MARCHE
BONN
FRANKFURT
MAINZ
HILDBURGHAUSEN
PLAUEN
PRAHA
OSTRAVA
LOUVETOT
LUXEMBOURG
KAISERSL.
SARRE-BRUCK
HEIDEL
GRAFENWOHR
PLZEN
NURNBERG
BUDEJOVICE
BRNO
BANSKABI
CZECHOSLOVAKIA
KOSICE
KICHINEV
ODESSA
PARIS
QUIMPER
RENNES
NANCY
STRASBOURG
REUTLINGEN
STUTTGART
KIRCHHEIM
CHAM
LANDAU
LINZ
WIEN
BRATISLAVA
MISCOLC
NYIREGYHAZA
TIRASPOL
FRANCE
BAD DURSHEIM
RAVENSB.
MÜNCHEN
SALZBURG
BUDAPEST
SZABADSAG
FREIBURG
DORNBIRN
AUSTRIA
NANTES
ALLOUIS
DIJON
BERÖMÜNSTER
INNSBRUCK
GRAZ
HUNGARY
CLUJ
BRASOV
POITIERS
SWITZERL.
CHUR
KLAGENF.
Bay of Biscay
SOTTENS
MONTE CENERI
BOLZANO
MARIBOR
PECS
TIMISOARA
ROMANIA
LIMOGES
CLERMONT-FERRAND
SAVIESE
UDINE
VERONA
LJUBLJANA
NOVI-SAD
BUCURESTI
LYON
GRENOBLE
VENEZIA
TRIESTE
ZAGREB
BORDEAUX
MILANO
RUEKA
BEOGRAD
CRAJOVA
TORINO
STALIN (VARNA)
LA CORUÑA
GENOVA
BOLOGNA
YUGOSLAVIA
SARAJEVO
BULGARIA
TOULOUSE
NIMES
MONTE CARLO
SAN REMO
PISA
FIRENZE
SOFIA
BILBAO
SAN SEBASTIAN
PAU
MONTPELLIER
NICE
ANCONA
DUBROVNIK
PRISTINA
TITOGRAD
STARA-ZAGORA
ISTANBUL
MARSEILLE
VALLADOLID
PERPIGNAN
PESCARA
SKOPLJE
KOMOTINI
ANDORRA
Adriatic Sea
TIRANA
PORTO
COIMBRA
ZARAGOZA
LERIDA
CORSICA
VATICAN RADIO
ROMA
BARI
KORÇA
THESSALONIKI
ANKARA
BARCELONA
MADRID
NAPOLI
TURKEY
PAREDE
LISBOA
BALEARIC ISLANDS
GREECE
SPAIN
MENORCA
Tyrrhenian Sea
PORTUGAL
VALENCIA
MALLORCA
SARDINIA
CAGLIARI
ATHINAI
Aegean Sea
ALICANTE
Ionian Sea
SEVILLA
PALERMO
MESSINA
CATANIA
FARO
HUELVA
MALAGA
CALTANISSETA
SICILY
Mediterranean Sea
CHANIA
CRETE
TANGER
TUNIS
ALGER
CONSTANTINE
TETUAN
ORAN
ALGERIA
RABAT
SEBAA AIOUN
AFRICA
TRIPOLI
Black Sea
ICELAND
AKUREYRI
REYKJAVIK
KEFLAVIK
EIDAR
Atlantic Ocean



advertisement Telefunken



ROKA

Little Berliners

The surprisingly simple and inexpensive indoor-isolators for 300 Ohm twin-lead.

Unbreakable,
symmetrical,
no loose parts,
safe

ROKA ROBERT KARST
Berlin-SW. 29. (U.S. Sector)

WICON
CAPACITORS
everywhere
— for any purpose

ELECTROLYTIC CAPACITORS
PAPER CAPACITORS
MOTOR STARTING CAPACITORS
SILVERED MICA CAPACITORS
CERAMIC CAPACITORS
INTERFERENCE SUPPRESSORS
AUTOMOBILE CAPACITORS

WICON
MAKERS OF FIXED CAPACITORS
5–7 HOWITZVEJ - COPENHAGEN F

HOW TO USE THE WORLD RADIO HANDBOOK

The practical information given in the following section in respect of the broadcasting services of each individual country includes:

Local Time and Languages used are indicated for each country and as far as possible the number of receivers in use.

The Addresses of the broadcasting companies in question. Where broadcasts are commercial this is stated.

Names and Titles of the leading personalities in each company.

List of Stations (A.M., F.M.) operated by each company with call signs of their transmitters, all frequencies and wavelengths (medium-, shortwave, ultrashortwave), as well as their power expressed in kilowatts (or watts) or megacycles.

Each short-wave station has its own identification call sign consisting of 3–5 letters or a combination of letters and figures of which the first, or two first, denote the nationality in accordance with the international list of station prefixes. (See page 21). Some short-wave stations, the American ones for example, use these call-signs when announcing themselves.

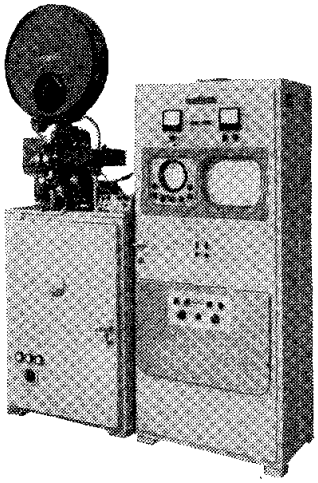
Long and medium wave stations are divided into three categories, viz. (1) **Main Stations**, which are so powerful that they can generally be heard throughout the whole area of the country in question, and from which most of the broadcasts emanate; (2) **Regional Stations**, which can be heard only within a certain area of the country, and whose broadcasts consist partly of re-transmissions of the programmes of the main stations and partly of their own programmes; (3) **Relay** and **Local Stations**, which mostly re-transmit main station programmes. These relay stations are the weakest, and are local stations which can be heard only within a limited area. The above-mentioned stations are all **AM stations**, i.e. amplitude-modulated station. In addition, there is a fourth category of stations: (4) **FM stations**, i.e. frequency modulated stations, in order to give listeners a reception free of interference. These stations have only a very short radius, and are consequently local stations.

Most short wave stations use directional aerials, i.e. their broadcasts are directed toward particular areas, and these give the names to the various services: European Service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-American, Caribbean Service, etc. Language and frequency employed vary according to the area to which broadcasts are directed.

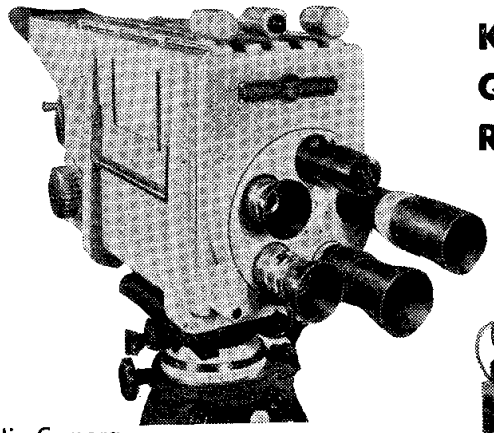
The best reception should be obtained from the transmissions which are specially directed to your

Continued page 32

TV STUDIO EQUIPMENT

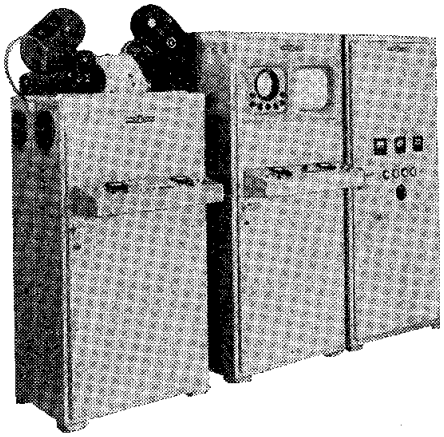


Flying spot film scanner

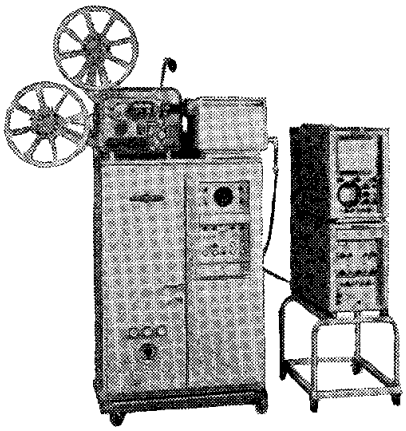


Studio-Camera

KNOWN FOR QUALITY AND RELIABILITY

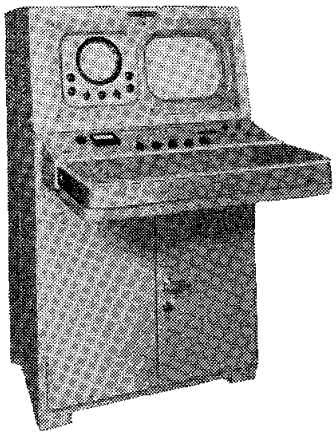


16 mm Kine Recorder



Vidicon film scanner

OB-Van



Picture and wave form Monitor

In TV-studios throughout the world

Berlin	Hamburg	New Delhi
Bern	Helsinki	Oslo
Bremen	Lisbon	Rome
Brussels	Luxemburg	Sydney
Bussum	Madrid	Stockholm
Cologne	Melbourne	Stuttgart
Copenhagen	Milan	Turin
Frankfort	Munich	Vienna

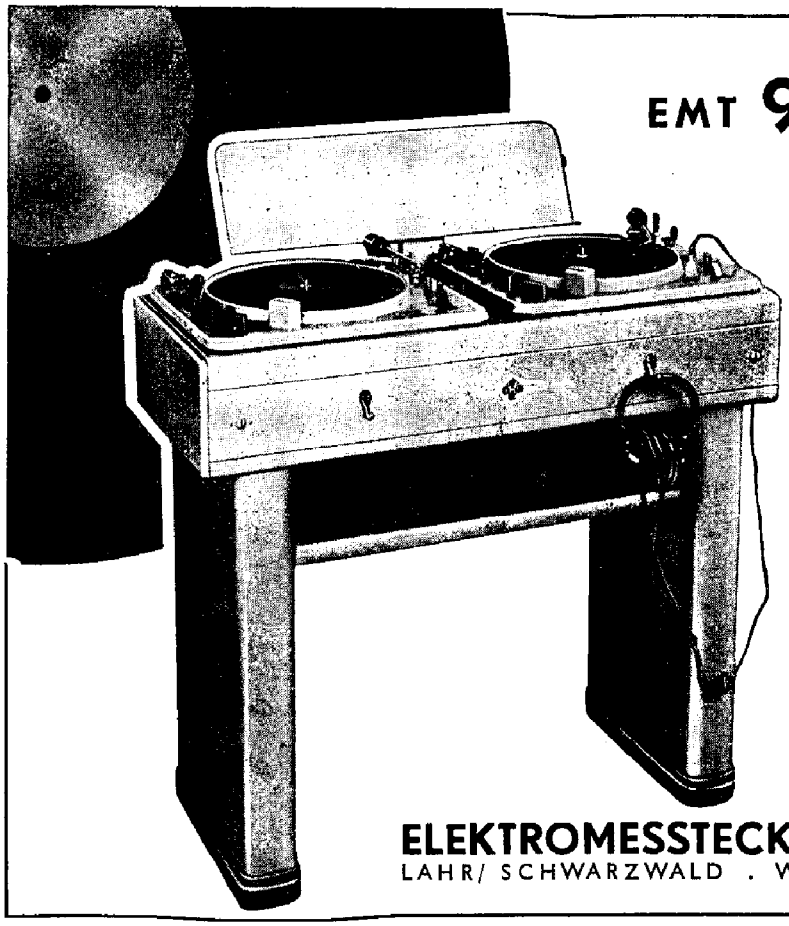
27 years of experience in development and design

write for detailed information

FERNSEH GMBH DARMSTADT

GERMANY

advertisement fernseh GMBH Darmstadt



EMT 930 TURNTABLE

for 3-speed operation, with start-stop-brake for easy cueing.

Also available separately as single chassis

ELEKTROMESSTECKNIK WILHELM FRANZ KG.
LAHR/ SCHWARZWALD . WESTERNGERMANY . POSTFACH 327

HOW TO USE THE WRH *continued from page 30.*

area. However, there is a good deal of overlapping between adjacent service areas, so that it is often possible to obtain good reception outside the times shown. Short wave propagation conditions are continually changing because of the influences of daylight and darkness, seasonal considerations, and solar activity. In consequence, waveband changes have to be made from time to time if good reception is to be maintained.

Times are shown on the 24 hours system. In this system midnight is 00.00 hrs., 3 am: 03.00 hrs., 10 am: 10.00 hrs. and midday 12.00 hrs. Instead of starting again at 1 o'clock, as the 12-hour system does, the 24-hour system continues to increase the number of each hour until 23.59 (11.59 pm.) is reached. Thus 13 hrs. is 1 pm., 17.00 hrs. 5 pm. and so on. The great advantage of the system is that it eliminates any possible confusion between times a.m. and times p.m.

On page 18 you will find a Local Time Conversion Table which gives the local times (summer and winter) in most parts of the world in relation to Greenwich Mean Time (G.M.T.). For example, from September to May it is 15.00 hours New York time when it is 20.00 hours G.M.T., since the table indicates that local time in New York is 5 hours behind G.M.T. From May to September U.S.A. introduces daylight saving time and, consequently, it is 16.00 hours New York time when it is 20.00 hours G.M.T. If you are listening at sea you should consult the radio-officer for the varying differences between ships's time and G.M.T.

Frequency and wavelength. Frequency and Wavelength are divided into the following groups: **Long waves, medium waves, short waves** and **ultra short waves** (V.H.F. – very high frequencies – FM).

The wavelength of a station is measured in metres, and kilocycles per second (kc/s); for FM-stations in megacycles per second (mc/s). A kilocycle is 1000 cycles; a megacycle 1.000.000 cycles.

As the velocity of propagation in space is, in round figures, 300.000.000 metres per second, any of the quantities—metres, kilocycles or megacycles—are readily converted into the other forms by means of the following formulae:

Metres to Kilocycles
Metres = 300,000/Frequency (kc/s)

Kilocycles to Metres
kc/s = 300,000/Wavelength (metres)

Metres to Megacycles
Metres = 300/Frequency (Mc/s)

Megacycles to Metres
Mc/s = 300/Wavelength (metres)

Daily Programmes: Under this heading you will find information concerning the total broadcasting

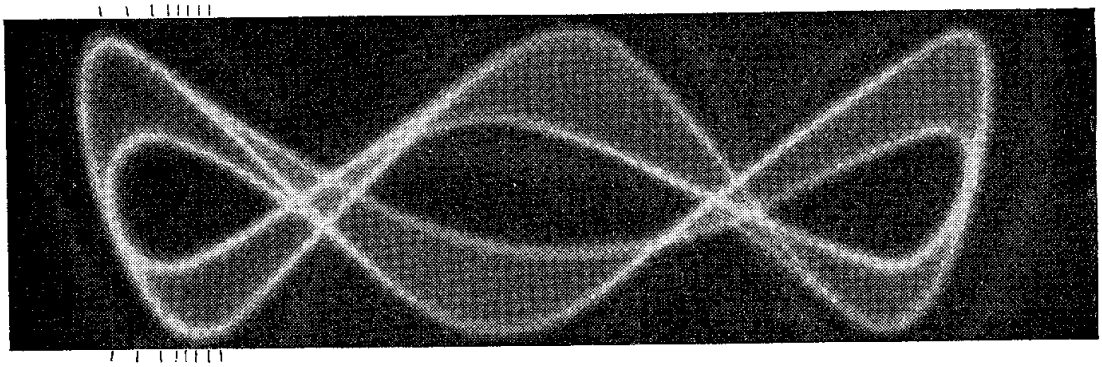
Continued page 35

behind the design and development of

G.E.C. electronic devices

lie the resources and experience of a truly great organisation

A great organisation, indeed, is the G.E.C.—an organisation that has long been in the lead in every phase of development in the field of electronics. The Company's leadership has been maintained by the skilled scientists and technicians who are given every research facility to help them design and produce the world-renowned range of G.E.C. electronic devices.



ELECTRONIC DEVICES

Transistors
Silicon Diodes
Germanium Diodes
Cathode Ray Tubes
Miniature Neon Indicators
Voltage Stabiliser Tubes
Geiger Muller Tubes
Photoelectric Cells
Barretters

THERMIONIC VALVES

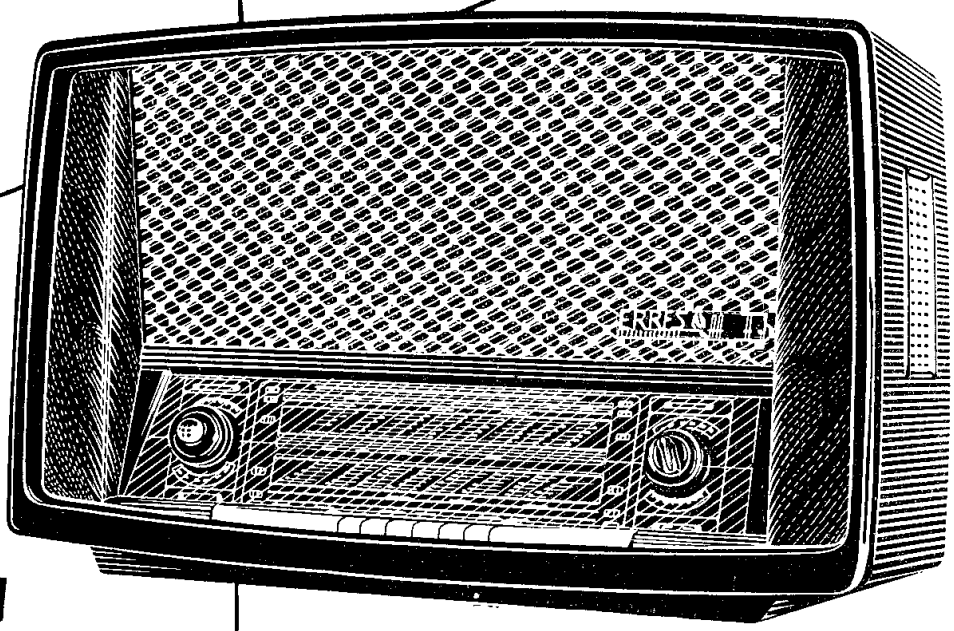
Industrial Valves
Transmitting Valves
Receiving Valves

H172

THE GENERAL ELECTRIC CO. LTD. OF ENGLAND, MAGNET HOUSE, KINGSWAY, LONDON, W.C.2.

advertisement GEC General Electric

ERRES KY 5791
(Explorether)



The only HAM receiver designed for the livingroom

The fabulous reception qualities, that are housed in this beautiful cabinet, are but part of the pleasure this set will provide. The four loudspeakers and the additional channels for High Fidelity reproduction together with unlimited Acoustical Balance Control form the basis of true to life music reproduction. Both tape recorder and recordplayer can supply the Concert Hall enjoyment when you are tired of your trips abroad. More than words can say a dèmonstration will do.
Ask your friendly ERRES dealer for a demonstration of this exceptional ERRES receiver.

Technical Data

9 Spread bands:
11 m. band
13 m. band
16 m. band
19 m. band
25 m. band
31 m. band
42 m. band
49 m. band
60 m. band

Waveranges
SW 1: 15.8– 54 m
SW 2: 52 –167 m
MW: 165 –580 m

H.F. Amplifier
8.I.F. circuits
Push pull amplifier stage
Separate pick-up amplifier stage

8 + 1 Tubes
4 loudspeakers
2 HiFi loudspeaker channels)

6 Position switch for:
Radio:
Max. selectivity with automatic noise supression
Max. selectivity without automatic noise supression
Extended frequency range reception

Gram.
Microgroove records (LP)
Microgroove HiFi recordings
Standard 78 RPM records

Gram. and taperecorder sockets
Rotating coil drum 12 waveband selector

verkoopkantoor

VAN DER HEEM N.V.
The Hague - Holland

vdH–4–86

advertisement van der Heem

HOW TO USE THE WRH *continued from page 32.*

hours on the different frequencies employed during transmission hours, as well as a survey of the news. and other fixed programmes of interest: National music, mailbag, language lessons, weather reports, program preview, time signals etc.

Announcements: The language alone is not a conclusive indication of the origin of a broadcast to which you may be listening. Hearing a programme in French or Spanish, for instance, does not necessarily mean that it is transmitted by a French or Spanish station respectively. To make sure of identifying a station correctly, it is, therefore, essential to wait for the announcement which every station broadcasts at regular intervals. These call signs are given in this book for practically all the stations listed.

Interval-Signals: For identifying stations it is also of importance to know the signals used during the intervals between programme items. Under each station you will, therefore, find a indication of the type of signal used, and in many cases a reproduction of the musical notes of this signal.

Shortwave broadcasting takes place mainly on the following metre bands (m.b.):

49 metre band – 41 metre band – 31 metre band – 25 metre band – 19 metre band – 16 metre band – 13 metre band and 11 metre band.

Many short-wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i.e. for reception over relatively short distances, which applies, for example, to many South and Central American stations and stations in Central Africa

In the following pages you will find a large variety of call-signs and frequencies. In many cases these belong to the same transmitters which are connected to different aerials designed to radiate signals to the best advantage in respect of each service. The various call-signs usually serve to identify individual frequencies.

Many programmes are broadcast simultaneously from several transmitters on different frequencies, which enables you to select the one which is the most clearly audible in your area or on your particular receiver. If reception on one of the frequencies used is poor, you should examine reception conditions on the other frequencies employed by the same station. On page 24 you will find a table of the most suitable metre bands for best short-wave reception in every part of the world at various times of the day throughout the year 1958.

Verification by QSL-cards. As indicated in the survey of the broadcasting services of the various coun-

Continued page 36.

GAZETTE

International Journal of the Science of the Press

Editors: K. Baschwitz, Amsterdam, Holland.
S. Frey, Bern, Switzerland.

Publisher: H. E. Stenfert Kroese N. V., Leiden, Holland.

Gazette is published quarterly at an annual subscription of fl. (Dutch guilders) 15,50 post free.

'After the first issue, Gazette improved tremendously, and has continued to do so since . . . Gazette's forte is its everwidening circle of regular correspondents all over the world whose contributions, coupled with Gazette's trilingual character, are making the publication a truly international journal of the science of the press.'

Journalism Quarterly

Listen to

the Voice of the Andes

International Missionary Station HCJB located at Quito, Ecuador South America.

For full details see ECUADOR

HOW TO USE THE WRH *continued from page 35.*

tries, many of the stations listed are interested in receiving reports from listeners in respect of their transmissions. These stations acknowledge reports by sending listeners a QSL-card (verification) or a letter. For most of these stations it is stated whether reports are answered by QSL-card or letter and if return postage is required. If nothing is mentioned, it is unnecessary to send reply postage. Many short-wave listeners make a hobby of collecting these QSL-cards which are often elaborately designed and colourful.

Reports from Listeners: Listeners' reports can in most cases be written in English, but Spanish is preferable when writing to South or Central American stations.

In the new edition of How to listen to the world you will find all information about how to write your reports to the stations. –

If reply postage is required by a station, enclose with your reports an International Reply Coupon obtainable at most post offices. The full address of each station will be found in the individual surveys.

How to identify a short-wave station:

Whenever you come across a station which is unknown to you, proceed as follows for identification: Read the approximate frequency indicated on your dial in megacycles or kilocycles or the wavelength in metres. Find from the table of frequencies and wavelengths what station are working in the neighbourhood of the reading shown by your dial. When you have reduced the source of the broadcast to one or two possibilities and at the same time noted details of the program heard and the language used, check these data against the program surveys printed in this Handbook. For confirmation it is advisable to wait for the station announcement or interval signal mentioned previously.

Reception reports are particularly useful to the engineers in selecting the most suitable wavelength's for your area, Use of the SINPO code or of the „555" code for reports are very helpful. The codes are as follows:

SINPO-code

S	I	N	P	O
5 excellent	5 nil	5 nil	5 nil	5 excellent
4 good	4 slight	4 slight	4 slight	4 good
3 fair	3 moderate	3 moderate	3 moderate	3 fair
2 poor	2 severe	2 severe	2 severe	2 poor
1 barely aud.	1 extreme	1 extreme	1 extreme	1 unusable

S = Signal strength. I = interference. N = noise.
P = propagation disturbance. O = Overall merit.

"555"-code

S	I	O
0 inaudible	0 very strong	0 nil
1 very weak	1 strong	1 very poor
2 weak	2 fairly strong	2 poor
3 fairly strong	3 weak	3 fair
4 strong	4 very weak	4 good
5 very strong	5 none	5 very good

Example: 543 means a very strong signal with weak interference reducing the overall reception merit to good.

Electronic Tubes exclusively

RECEIVING . TRANSMITTING

SPECIAL PURPOSE . CATHODE RAY

Your best single source of supply for all name brands such as Raytheon, R. C. A., General Electric, Sylvania, Tungsol, Western Electric, Chatham, and etc.

Over 2000 different types of tubes always in stock.

Current and obsolete types in Klystrons, Magnetrons, Ignitrons, Thyratrons, rocket, T. R., Cathode ray, miniature and sub miniature tubes.

All of our tubes are guaranteed unconditionally to operate to your specifications. Every tube is tested before shipment.

Top quality tubes always at low prices.

Your inquiries are solicited.

Maritime International Company

11 STATE ST. - NEW YORK 4, N. Y.

CABLE ADDRESS: FOXCROFT, N. Y.

advertisement maritime international company

AMPEX

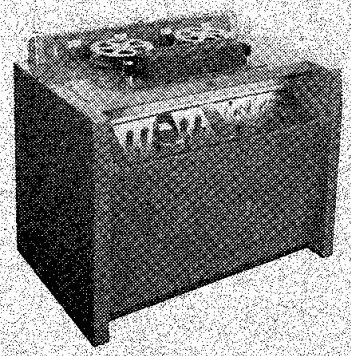
MAGNETIC TAPE RECORDERS

- Finest Performance and Dependability
- The Most Complete Line, Including Multi-track and Videotape Recorders
- Distributed Throughout The World

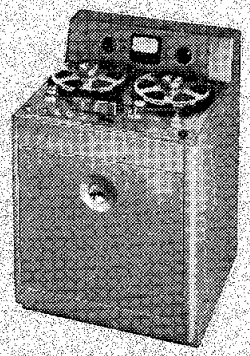
CUSTOM PRODUCTS

- High Speed Duplicators
- Multi-track Recorders 1 to 48 Channels
- Automatic Programming Systems
- Stereophonic Recorders, Reproducers

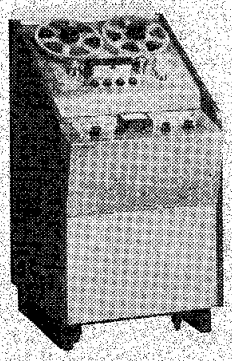
STANDARD PRODUCTS



Videotape Recorder

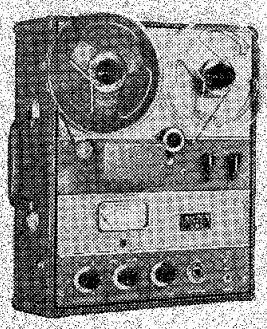


Model 300 Console

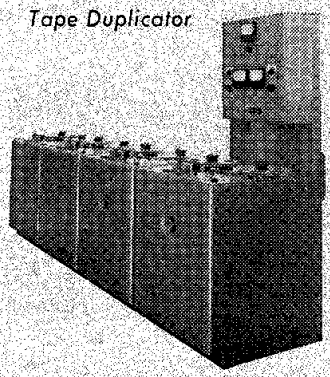


Model 350 Console

Model 601



Tape Duplicator



For complete details and specifications, see your nearest distributor listed on the right, or write to:

AMPEX
CORPORATION

964 CHARTER STREET, REDWOOD CITY, CALIFORNIA

Cable Address: AMPEX, Redwood City, Calif.

professional products division

EXPORT DEPT.

Direct Franchised Distributors in over 50 countries throughout the world

advertisement ampex

AMPEX DISTRIBUTORS

AFRICA	Leigh & Hurwitz, Ltd. - Johannesburg
ALASKA	Effco Hi-Fi Center - Anchorage
	Television Center - Fairbanks
	Yukon Radio Supply, Inc. - Anchorage
ARGENTINA	Graham y Cia. - Buenos Aires
	Andres Szmetan - Buenos Aires
AUSTRALIA	Amalgamated Wireless, Ltd. - Sydney
AUSTRIA	INGLOMARK - Markowitsch & Co. - Vienna
BAHAMAS	John S. George, Ltd. - Nassau
BELGIAN CONGO	M.B.L.E. - Congo - Leopoldville
BELGIUM	European Sales Assn. - Brussels
BOLIVIA	Mundo, Ltda. - La Paz
BRAZIL	Byington y Cia. - Sao Paulo
BURMA	Rangoon Radio Service - Rangoon
CANADA	Ampex American Corp. - Toronto
CHILE	"CICOTEC" - Santiago
COLOMBIA	Cesar Estevez L. y Cia - Bogota
	Industria Radio-Electrica Thomas - Medellin
COSTA RICA	Almacen Koberg, Ltda. - San Jose
CUBA	Caribbean Electronics - Havana
DOMINICAN REP.	Caribbean Motors Co. - Cuidad Trujillo
ECUADOR	"COMANDATO" - Guayaquil - Quito
EGYPT	El Chark Engineering - Cairo
EL SALVADOR	Casa Flores - San Salvador
ENGLAND	B & K Laboratories, Ltd. - London
FINLAND	HAVULINNA, Oy. - Helsinki
FRANCE	Bureau de Liaison - Paris
GREECE	K. Karayannis - Athens
GUATEMALA	MUSICAL - Guatemala City
HAITI	Valerio Canez - Port-au-Prince
HAWAII	John J. Harding Co. - Honolulu
	Precision Radio, Ltd. - Honolulu
HOLLAND	Audium Electro-Acoustische Ind - Amsterdam
HONDURAS	Casa Uhler - Tegucigalpa
HONG KONG	The Radio People, Ltd. - Hong Kong
INDIA	Photophone Equipments, Ltd. - Bombay
IRAN	Central Cinema Studio Co. - Teheran
ISRAEL	Electronic Engineering - Tel Aviv
ITALY	Mr. Henry C. Milano
JAMAICA	Wonard's Radio Engineering, Ltd. - Kingston
JAPAN	Sakata Shokai, Ltd. - Osaka - Tokyo
LEBANON	Sarrafian Stores - Beirut
MALAYA	Eastland Trading Co. - Singapore
MEXICO	Audio-Vision - D.F.
	RCA Victor Mexicana - D.F.
	Claudio Garza Villareal - Monterrey
MOROCCO	Etablissements Louis-Rene Martin - Casablanca
NEW ZEALAND	W. G. Leatham, Ltd. - Wellington
NICARAGUA	Julio Cardenal - Managua
NORWAY	British Import - Oslo
OKINAWA	Roger's, Ltd. - Naha
PANAMA	SONITEL - Panama City
PERU	"IMACO" - Lima
PHILIPPINES	Howard M. Cavender - Manila
PORTUGAL	Casa Serras - Lisbon
PUERTO RICO	Electronic Engineering & Sales Corp. - San Juan
SPAIN	Fopic, S. A. - Madrid
SWEDEN	Elektronikbolaget AB - Stockholm
	Maskin & Elektro - Orebbo
SWITZERLAND	MEGEX - Zurich
THAILAND	G. Simon Radio Co. - Bangkok
TRINIDAD	Beecham Coates Co. - Port-of-Spain
TURKEY	Nefan, Ltd. - Istanbul
URUGUAY	M. Gonzalez del Rio - Montevideo
VENEZUELA	Maracaibo Import - Maracaibo
	SONOTEC - Caracas
VIRGIN ISLANDS	Rohlsen Sales Company - Christiansted, St. Croix

FREQUENCY BANDS ALLOCATED TO BROADCASTING, TELEVISION AND AMATEURS.

The table below is based upon the Atlantic City Radio Regulations. For bands between 3 and 27,5 mc/s the present situation differs a little from the table in some cases. Some bands are shared with other services. **Region 1:** Europe, U.S.S.R. in Asia, Africa. **Region 2:** N. and S. America, Northeast. Pacific. **Region 3:** Asia exc. U.S.S.R., Australia, part of Pacific.

BC: Broadcasting (AM sound) – BC(trop): Broadcasting (AM sound, tropical zones) – BC(FM): Broadcasting (FM sound) – BC(TV): Broadcasting (Television) – AMAT: Amateurs.

	Region 1 kc/s	Region 2 kc/s	Region 3 kc/s
BC	150–285		
BC	525–1605	535–1605	535–1605
AMAT		1800–2000	1800–2000
BC(trop)	2300–2498	2300–2495	2300–2495
BC(trop)	3200–3400	3200–3400	3200–3400
AMAT	3500–3800	3500–4000	3500–3900
BC	3950–4000		3900–4000
BC(trop)	4750–5060	4750–5060	4750–5060
BC	5950–6200	5950–6200	5950–6200
AMAT	7000–7150	7000–7300	7000–7150
BC	7100–7300		7100–7300
BC	9500–9775	9500–9775	9500–9775
BC	11700–11975	11700–11975	11700–11975
AMAT	14000–14350	14000–14350	14000–14350
BC	15100–15450	15100–15450	15100–15450
BC	17700–17900	17700–17900	17700–17900
AMAT	21000–21450	21000–21450	21000–21450
BC	21450–21750	21450–21750	21450–21750
BC	25600–26100	25600–26100	25600–26100
AMAT	28000–29700	28000–29700	28000–29700
	mc/s	mc/s	mc/s
BC(TV)	41–68	44–50	44–50
AMAT		50–54	50–54
BC(TV)		54–72	54–68
BC(TV)		76–88	
BC(FM)	87,5–100	88–108	87–108
AMAT	144–146	144–148	144–148
BC(TV)	174–216	174–216	170–200
AMAT		220–225	
AMAT	420–460	420–450	420–460
BC(TV)	470–585	470–940	470–585
BC(TV)	610–960		610–960
AMAT	1215–1300	1215–1300	1215–1300
AMAT	2300–2450	2300–2450	2300–2450
AMAT		3300–3500	3300–3900
AMAT	5650–5850	5650–5925	5650–5850
AMAT	10000–10500	10000–10500	10000–10500

DX-PROGRAMMES

AUSTRALIA: »R. Australia«. »Australian DX'ers calling«. Sat. 22.00, Sun. 05.30, 07.15 (Apr.-Sept.), 08.45 (Oct.-March), 13.30, 16.00.

DENMARK: »Danish State Radio«. A special DX-bulletin is broadcast on Tues. (EST) at the end of the two No. Am. prgrs. (Wed. 02.20, 03.50 GMT.) and Thurs. 09.50, 15.50 GMT.

GERMANY: »Deutsche Welle«. Every 2nd Mo. in the month. 07.30, 15.00, 18.30, 22.30, Tues. 02.00.

HAITI: »St. 4VEH«. Sat. 14.30, Tues. 02.30, Sat. 10.00 (in »Listeners Post«).

JAPAN: »Nihon Shortwave Broadcasting Co.«. »DX-News« Sat. 22.15-22.30 (in Japanese only).

SWEDEN: »R. Sweden«. »Sweden calling DX'ers«. Every Mo. as last part of the English half hour at 12.30, 14.00, 14.45, 16.15, 17.45, 20.00, Tues. 00.00, 01.00, 03.00.

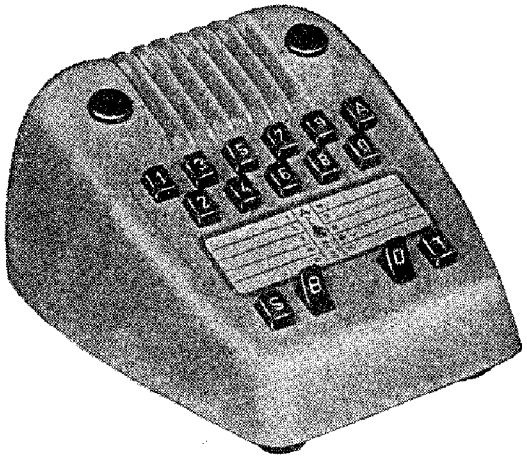
IBRA RADIO: Last Wed. of the month 19.30-19.45.

SWITZERLAND: »Swiss Shortwave Service«. First Thurs./Fri. of the month (in all English transmissions) at 19.15, 02.00, 04.45, 07.45, 09.30, 13.15, 15.15, 17.15.

U.S.A.: »R. Boston« (WRUL). »Swedish DXprogr. in the Mo.progr. 20.45-21.15.

SAVE TIME - SAVE MONEY

with the AMPLIDAN INTERCOMMUNICATION SYSTEMS



The Amplidan Intercommunication Systems AS 340 and AS 340 A for up to and including 18 desk-sets are the newest and from a technical point of wiev most perfect types. Anybody can call and talk with anybody. Whenever a call has been effected visual as well as aural signals are given. An ordinary call to one specific extension takes place by depressing a button, a general announcement may be established in the same way.

All the desk-sets are provided with a blocking button that by depressing prevents incoming calls being effected. The desk-sets have also been equipped with a muting button for reduction of loudspeaker strength.

AMPLIDAN A/S

17, Moentmestervej . Copenhagen NV

Phone Ægir 4201

AMPLIDAN

Quality unsurpassed – prices beyond competition

Number of licenses

issued or receivers estimated in use.

EUROPE	
Albania	200.000
Andorra	7.000
Austria	1.819.808
Belgium	2.000.000
Bulgaria	400.000
Czechoslovakia	2.969.412
Denmark	1.397.693
Finland	1.100.000
France	9.500.000
Germany	
Fed. Rep.	14.184.842
Dem. Rep.	3.900.000
Gt. Britain	7.354.024
Greece	541.982
Greenland	3.200
Holland	2.500.000
Hungary	1.500.000
Iceland	41.000
Ireland	476.592
Italy	6.400.000
Luxembourg	85.722
Monaco	4.500
Norway	975.023
Poland	3.971.104
Portugal	534.053
Rumania	1300.000
Saar	236.000
Spain	1.750.000
Sweden	2.582.967
Switzerland	1.294.152
USSR. EU.	7.000.000
Yugoslavia	710.694
AFRICA	
Algeria	400.000
Angola	52.960
Bechuanaland	2.000
Belgian Congo	15.000
Cameroons	12.000
Canary Isl.	65.000
Cape Verde Isl.	1.000
Egypt	1.000.000
Ethiopia	16.000
French Eq. Afr.	2.000
Gambia	600
Ghana	21.000
Guinea (Port	1.000
Guinea (Sp.)	1.000
Ivory Coast	2.500
Kenya	25.000
Liberia	3.000
Libya	19.000
Madagascar	50.000
Mauritius	23.000
Morocco	300.000
Mozambique	25.000
Nigeria	40.000
Rhodesia	80.000
Reunion	8.500
Senegal	100.000
Sierra Leone	2.000
Somaliland (It.)	21.000
Somaliland (Br.)	25.000
Somaliland (Fr.)	3.000
Sudan	7.000
Tanger	12.000
Tanganyika	8.500
Tunis	100.000
Uganda	20.000
Union of S.Afr.	850.000
Zanzibar	3.225
NEAR EAST	
Aden	1.100
Afghanistan	12.000
Bahrein	5.000
Cyprus	76.000
Iran	500.000
Iraq	100.000
Israel	300.000
Jordan	20.000
Lebanon	71.000
Saudi Arabia	16 000
Syria	100.000
Turkey	1.360.000
EAST	
Borneo (N.Br.)	8.000
Burma	25.597
Cambodia	7000
China, P.R.	1.800.000
Ceylon	178.120
Goa (Port)	30.000
Hong Kong	62.396
India	800.000
Indonesia	600.000
Japan	14.322.737
S. Korea	150.000
Laos	10.000
Macau	6.000
Malaya	170.000
Nepal	10.000
Pakistan	94.284
Sarawak	5.000
Taiwan	150.000
Thailand	220.000
Viet-Nam. S	50.000
PACIFIC	
Australia	2.107.253
Cook Isl.	300
Fiji	5.000
Guam	25.000
Hawaii	150.000
New Caledonia	4.000
New Zealand	525.059
Philippines	300.000
Samoa, Western	1.500
Samoa, American	2.000
Tahiti	10.000
AMERICA, NORTH	
Alaska	120.000
Canada	6.000.000
United States	135.000.000
AMERICA, CENTRAL	
Bahamas	4.500
Barbados	10.000
Bermuda	16.000
Costa Rica	30.000
Cuba	1.100.000
Dominican Rep.	100.000
El Salvador	24.000
Guadeloupe	2.800
Guatemala	300.000
Haiti	19.000
Honduras (Br.)	4.000
Honduras (Rep.)	30.000
Jamaica	16.500
Leeward Isl.	1.500
Martinique	8.000
Mexico	1.650.000
Netherl.Ant.	15.000
Nicaragua	30.000
Panama	320.000
Puerto Rico	200.000
Trinidad	26.000
Virgin Island	15.000
Windward Isl.	3.000
AMERICA, SOUTH	
Argentina	3.000.000
Bolivia	250.000
Brazil	3.400.000
Chile	650.000
Colombia	500.000
Ecuador	100.000
Falkland Isl.	500
Br. Guiana	30.000
Paraguay	80.000
Peru	500.000
Surinam	10.000
Uruguay	500.000
Venezuela	230 000

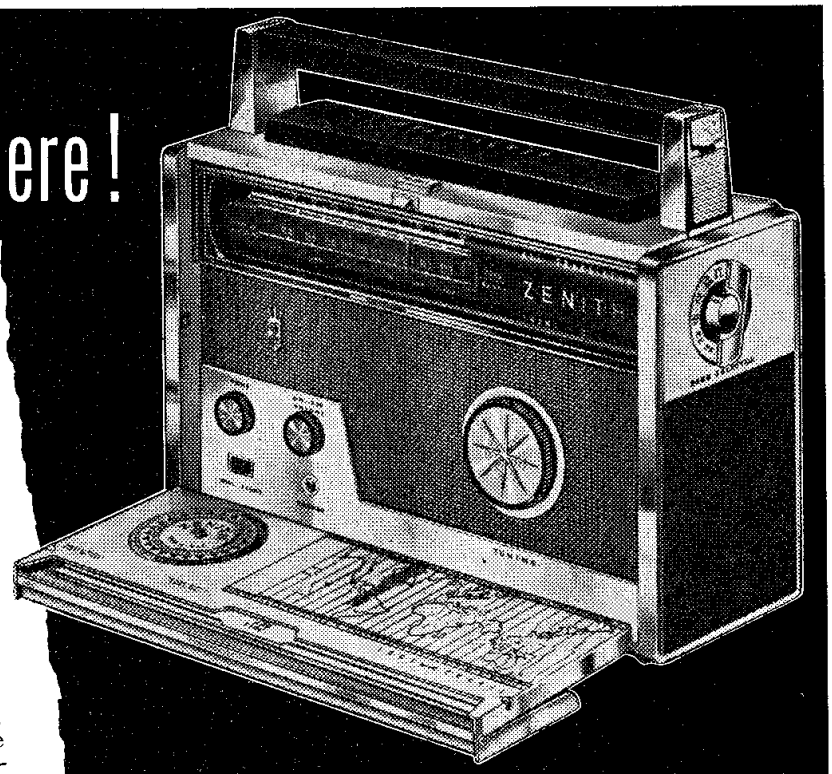
9 Transistor

TRANS-OCEANIC

STANDARD AND SHORT WAVE PORTABLE RADIO

Smallest and lightest band-spread short wave portable ever produced

World Premiere!

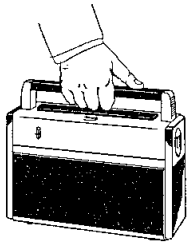


Here is the ALL TRANSISTOR version of the world-famed Zenith Trans-Oceanic® ...*the original short wave portable radio*

With hundreds of thousands of owners throughout the world, the original Trans-Oceanic Short Wave Portable has been tried, tested and proved for over 16 years. Companion to diplomats, world-travelers, explorers! Its list of owners reads like an International "Who's Who." Now, as a companion to this world-famed Trans-Oceanic, Zenith announces with pride the fabulous new ALL TRANSISTOR Trans-Oceanic Short Wave Portable Radio.

Engineered, Designed and Built in the United States of America

A complete world-wide "radio receiving station" in a sturdy, metal case finished in bright chrome and genuine Black Leather. 12½" wide, 10½" high, 4¾" deep. Approx. Wt. 13 lbs.



- **POWERED WITH 9 TRANSISTORS TO TUNE IN THE WORLD** . . . Actually 92% more undistorted power output than any other tube type short wave portable! Performs in steel buildings, planes, automobiles, ship-to-ship and ship-to-shore.
- **BEAUTIFUL, REGAL, RUGGED** . . . engineered as soundly as a shock-proof watch. Tropically treated to perform even in high jungle humidity.
- **3 BUILT-IN ANTENNAS** . . . the handle itself telescopes to a vertical Waverod® Antenna for short wave reception. Wavemagnet® Antenna for local broadcasts. Another Wavemagnet Antenna is removable to attach to window in planes, trains, automobiles.
- **8 SUPER SENSITIVE BANDS** . . . including International Short Wave, Standard Broadcast, Marine, Weather, Amateur Short Wave.
- **ROTARY BAND SELECTOR** . . . spread-band, slide-rule dial. One knob tunes all 8 bands. Dialite for operation under poor lighting conditions.
- **NEW LOG CHART COMPARTMENT IN FRONT PANEL** . . . lists major short wave stations in the world, with their frequencies and hours of best reception.
- **OPERATES ON LOW COST FLASHLIGHT BATTERIES** . . . available anywhere. Low cost transistor operation eliminates need for tubes, AC/DC power outlet and bulky "B" batteries.

QUALITY BY

Zenith

The Royalty of Radio

ZENITH RADIO CORPORATION, INTERNATIONAL DIVISION, CHICAGO 39, ILLINOIS

advertisement zenith radio corporation

AIR EXTERNAL SERVICES PUBLICATIONS

For overseas listeners to the short-wave transmissions of All India Radio, INDIA CALLING, a monthly programme journal in English, provides a service of advance programme information supplemented by some of the best broadcast talks on life in India today. It is published in three illustrated editions — Eastern, Western and European.

For listeners in West Asia there are IDHAT - EL - HIND, published in Arabic and SADA-E-HIND, published in Persian. There are also programme bulletins for Burmese, Chinese and Tibetan speaking listeners.

The journals are supplied free of cost to listeners in foreign countries. Requests for them may be forwarded either through the Indian diplomatic missions or direct to

THE DIRECTOR OF

EXTERNAL SERVICES

ALL INDIA RADIO

P. O. BOX 500, NEW DELHI

DA 57/14

ABBREVIATIONS:

Addr. = Address
ABC = Australian Broadc. Comm.
Adm. = Administrator.
AEF = Afrique Equatoriale Française
Af = Africa
AFN = American Forces Network
AFRTS = Armed Forces Radio and Television Service
AIR = All India Radio
Am. = America
A.M. = Amplitude modulation
Ann. = Announcement
AOF = Afrique Occidentale Fr.
Approx. = Approximately
Apr. = April
Apt. = Apartado
As. = Asia
Asst. = Assistant
At. = Atlantic
Au. = Australia
Aug. = August
Av. = Avenue, Avenida
Bldg. = Building
B.P. = Boite Postale
Br. = British
Broadc. = Broadcasting
BR. = Bayerische Rundfunk
BWI = British West Indies
C = Central
Cal. = California
Ch. = Channel
Chi. = Chinese
Ci = Ciudad
Co. = Congo
Comm. = Commercial
Corp. = Corporation
D. = Daily
d. = Directional aerial
DS = Danish Ships
DDR = Deutsche Demokra. Rep.
Dec. = December
Def. = Definition
Dep. = Deputy
Dept. = Department
Dir. = Director, Direction
Dir.Gen. = Director General
DX = Long distance
E. = English
Ea. = East
E. by R. = English by Radio
Ed. = Edificio
Eng. = Engineer
Equ. = Equatorial
ERP = Effective radiated power
Eu. = Europe
exc. = Except
exp. = experimental
F. = French
FCC = Federal Communications Commission
F.E. = Far East
Feb. = February
F.I. = Faeroe Islands
Fi. = Finnish
Fil. = Filipino
Fl. = Flemish
F.M. = Frequency modulation
F.Pl. = Future plans
Fri. = Friday
Freq. = Frequency
G. = German
Gen.Mgr. = General Manager
G.M.T. = Greenwich Mean Time
Go. = Government
Gr. = Greek
h. = Hour
H. = Horizontal polarisation
I. = Italian
In. = India
Ind. = Indonesia, Indonesian
Inf. = Information
Int.Sig. = Interval Signal
Indep. = Independent
Icl. = Iceland
Jan. = January
Jap. = Japanese
K. = Korean
KBS = Korea Broadcasting System
kc/s = Kilocycles
kW = Kilowatt
L.P. = Leading Personality (ies)
L. = Language
L.T. = Local Time
L.N. = Local News
L.L. = Language Lessons
Man. = Managing
M.E. = Middle East (Near East)
Mgr. = Manager
Mo. = Monday
m.b. = Meter band
Mbg. = Mailbag
M.W. = Medium Wave
N. = News
N.An. = Netherlands Antilles
Nat. = National
Net. = Network
NDR = Norddeutscher Rundfunk
N.E. = Near East
N.H.K. = Nippon Hoso Kyokai
No. = North
Nov. = November
N.Z. = New Zealand
O. = Owner
occ. = occasionally
Oct. = October
org. = Organization
P. = Portuguese
Pa. = Pacific
Per. = Period
Pro. = Province
Pr. = Private
pres. = President
Prgr. = Programme
Pub. = Publication
QSL = Verification
R. = Radio
Rcvrs. = Number of receivers
Rdif. = Radiodifusora
Red. = Rediffusion
Reg. = Regional
Rel. = Relay
RIAS = Rundfunk im am. Sektor
R.p. = Return postage required
RTF = Radiodiffusion Télévision Française
Ru. = Russian
Sat. = Saturday
Sce. = Service
sched. = Schedule
Secr. = Secretary
Sep. = September
So. = South
So.W. = South West
Sp. = Spanish, Spain
St. = Station
Str. = Street
Su. = Summer
Sun. = Sunday
S.W. = Shortwave
Sw. = Sweden, Swedish
SWF = Südwestfunk
Tag. = Tagalog
Tec. = Technic
Thurs. = Thursday
Tr. = Transmitter, transmission
Tues. = Tuesday
T.V. = Television
U.K. = United Kingdom
USSR = Union of the Soviet Socialist Republics
V. = Vertical aerial
V. = Verification
Vis. = Visayan
VOA = Voice of America
W. = Weekdays
We. = West
Wed. = Wednesday
Wi. = Winter
Wrp. = Weatherreport
VUNC = Voice of U.N. Command

CBS INTERNATIONAL

A Division of Columbia Broadcasting System, Inc., is pleased to announce its expansion into the field of television equipment as export department for the following prominent U. S. manufacturers:

ADLER ELECTRONICS	VHF/VHF, VHF/UHF translator transmitters; television relay systems
STANDARD ELECTRONICS	VHF television transmitters, VHF television amplifiers
FOTO-VIDEO LABORATORIES	Television studio equipment
JERROLD ELECTRONICS	Multi-outlet TV distribution equipment for apartments, hotels. schools

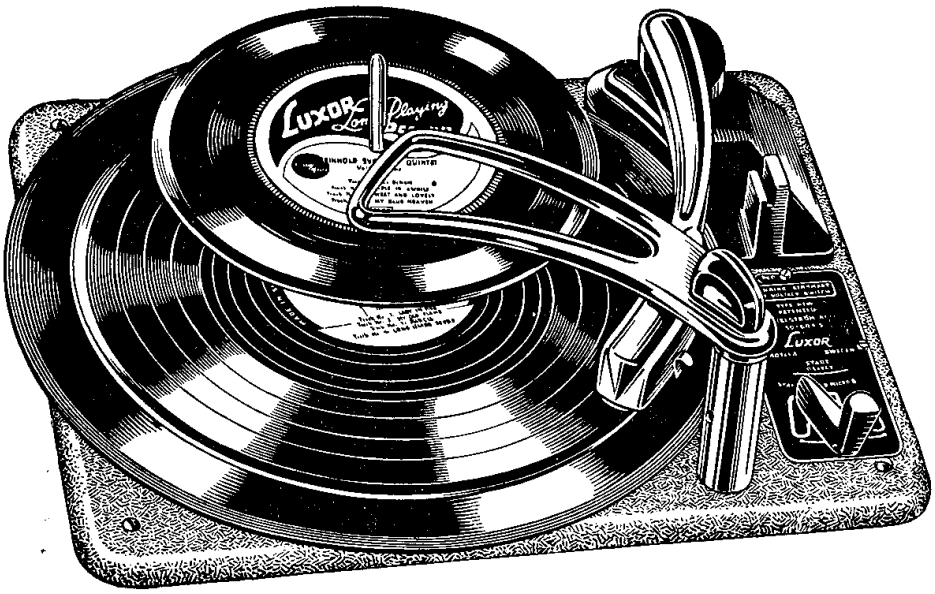
CBS International also exports the following items to all markets of the free world:

- CBS radio and television picture tubes
- CBS transistors, diodes, and semi-conductors of all types
- CBS Columbia phonographs and records
- CBS magnetic recording tape.

CBS INTERNATIONAL
46 East 52nd Street, New York 22, New York
Cable Address: Columbine

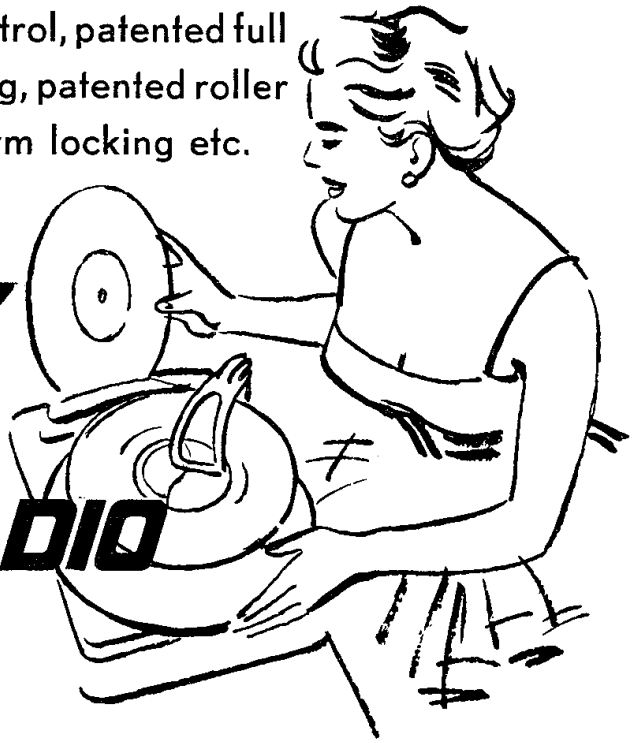
CBS INTERNATIONAL • FOR THE *FINEST* IN ELECTRONICS

advertisement CBS International USA



RT RECORD-CHANGER

New sensational all-speed version now available, incorporating previous amazing RT features: one lever control, patented full automatic needle-switching, patented roller pick-up, automatic tonearm locking etc.



LUXOR RADIO

Motala - Sweden

advertisement Luxor Radio Sweden

EUROPE

★ ALBANIA ★

L.T.: GMT+1 h. – L.: Albanian. – Revrs.: 200.000.

R. TIRANA (Go.)

ADDR.: Direction Centrale de la Radiodiffusion d'Albania, Rue Conference de Peza 3, Tirana. – L.P.: Dir. P. Kito.
HOME SCE.: 05.00–07.00, 11.00–15.00, 16.00–22.00.
Tirana 1088kc/s 275,7m 50kW – Korca 1072kc/s 280m 0.2kW
N.: 05.30, 14.00, 17.00, 19.00, 21.00. Local N.: 17.13.
FOREIGN SCE.: Tirana.

1088 kc/s	275,7 m	50 kW	–	7850 kc/s	38,20 m	3 kW	
6900 –	43.49 –	3 –	–	9610 –	31.22 –	3 –	

On 9610, 6900 kc/s: 17.30 Albanian, 18.00 Russian, 18.30 Turkish, 19.00–19.30 Serbo-Croat. – On 6900/7850 kc/s: 19.30 Greek, 20.00 Italian, 20.30 English, 21.00 French, 21.30–22.00 Albanian. – On 6900 kc/s: 22.00 English, 22.30–23.00 French. – On 1088 kc/s: 22.00 Italian, 22.30–23.00 Greek.
ANN.: "This is Radio Tirana". – INT.-SIG.: 7 musical notes played on piano. – V. by letter. –

★ ANDORRA ★

L.T.: GMT+1 h. – L.: French, Spanish. – Revrs.: 7.000.

RADIO ANDORRA (Pr. Comm.)

ADDR.: Roc des Anelletas, Andorre La Vieille (Principauté d'Andorre). – Cable: "Radio-Andorra".
L.P.: Dir. Gen.: G. Dahlquist. Chief-Eng.: L. Killmayer. Secr. Gen.: Mlle. R. Caminal. Dir. Studios: P. Servant. Dir. Prgr.: A. Rossell. Dir. Listeners Sce.: Mlle. M. Rodrigúez. Dir. Tec.: St. P. Cousse.
STATIONS: 998 kc/s 300.6 m 60 kW – 5972 kc/s 50.22 m 25 kW. Prgrs. to Spain, Portugal, France, Switzerland, Italy, N. Africa.
ANN.: F.: "Ici Radio Andorre". Sp.: "Aqui Radio Andorra – Roc de les Anelletes – Andorra la Vieja – Principado de Andorra". –
INT.-SIG.: Gong low. Open and close with "Hymne National Andorran" and "Marche des Conseillers andorrans". – V. by QSL-card. – F.PL.: m.w. 100 kW.

ANDORRADIO (Comm.)

ADDR.: Galeries Meritxell, Andorre la Vieille. – L.P.: Dir. Gen. and Tec.: A. Chalier. Pres.: E. Puiggros. Dir. Prgr.: A. Picart.
STATIONS: 1485kc 203m 100/1kW – 6000kc 50m 1kW: Inactive.

★ AZORES (Portuguese) ★

L.T.: GMT+2 h. (Su+1 h.). L.: Portuguese.

EMISSOR REGIONAL DOS ACORES (Go.)

ADDR.: Av. Gaspar Fructuoso, Ponta Delgada. S. Miguel.
L.P.: Dir. Prgr.: C. C. L. Araujo, S. do Couto, M. Meunier. Dir. Tec.: C. C. L. Araujo.
HOME SCE.: CSA93 4865 kc/s 61.66 m 1 kW
20.00–21.00 to Portugal, 21.15–24.00 to Acores. – N.: 20.30–22.30. – Mbg.: Thurs. 21.30–22.15. – Wrp.: 24.00. – Nat. Music: 20.00, 21.15.
ANN.: "Aqui Portugal, Ponta Delgada, Emissor Reg. dos Acores da Emissora Nacional". – INT.-SIG.: Chimes. – V. by letter or QSL-card.

EMISSORA DO CLUBE ASAS DO ATLANTICO (Comm.)

ADDR.: Aeroporto de Santa Maria. – L.P.: Dir. Tec.: A. Frazao.
HOME SCE.: D. 21.00–22.00, 23.00–01.00. Sun. also 13.00–15.00. CSB81 1571 kc/s 191 m 0.08 kW. – N.: 24.00. – Wrp.: 21.00, 24.00.
ANN.: "Aqui Santa Maria. Fala a Estacao Emissora do Clube Asas do Atlantico". – INT.-SIG.: Opens with music played on a Portuguese string instrument (viola) and a guitar. – V. by letter.

RADIO CLUB DE ANGRA (Comm.)

ADDR.: Rua Conselheiro Anastacio de Bettencourt, Angra do Heroismo, Ilha Terceiro. – L.P.: Dir. Tec.: J. E. L. Fernandes. 1304
HOME SCE.: 1322 kc/s 226.9 m 0.15 kW: W.: 20.00–23.00. Sun. 12.00 –16.00. – Nat. Music: D. 21.00–21.30. – N.: W. 21.30. Sun. 14.30.

ARMED FORCES RADIO SERVICE (U.S. Air Force).

ADDR.: Information Services Office, 1605th Air Base Wing, APO: 406, New York. – L.P.: Dir. Gen.: 1/Lt A. G. Lisle Jr. – D. PRGR.: English: CSB83 1500 kc/s 200 m 0.05 kW: 05.00–23.00.

★ AUSTRIA ★

L.T.: GMT+1 h. – L.: German. – Revrs: 1.819.808.

ÖSTERREICHISCHER RUNDFUNK (Go.)

ADDR.: Österreichischer Rundfunk, Wien I, Kärntnerring 5. – Cable: Rundfunk Wien. – Competent Authorities: Österreichische Bundesregierung.
L.P.: Board of Directors: Adm.: Dir. Gen.: Dr. K. Cejka. – Tecnic: Vice-Dep. Dir. Gen.: Dipl. Ing. W. Füchsl. – Prgr's.: Dir. Prof. Dr. A. Übelhör. – TV: Dir. G. Freund.
STUDIOS: R. Graz: Zusertalgasse 14 a, Graz III. Cable: Radio Graz. P. Goritschnig. – R. Klagenfurt: Sponheimerstrasse 13, Klagenfurt. Cable: Radio Klagenfurt. P. Goritschnig. – R. Linz: Obere Donaulände 1, Linz. Cable: Radio Linz. A. Schwetz. – R. Salzburg: Franziskanergasse 5, Salzburg. Cable: Radio Salzburg. Dr. P. Becker. – R. Tirol: Landhaus Neubau, Innsbruck. Cable: Radio Tirol. Dr. J. Scheidle. – R. Vorarlberg: Neues Rathaus, Dornbirn. Cable: Radio Vorarlberg. E. Bohac. – R. Wien: Argentinierstrasse 30 a, Wien IV. Cable: Radio Wien. Dr. E. Glaser.

HOME SERVICE:

FIRST PROGRAMME: W.: 04.30–24.00. Sun. 05.00–24.00.

M.W.	kc/s	m	kW		kc/s	m	kW
Aldrans I	629	476.9	25	Linz	890	337.1	15
Lauterach I	629	476.9	25	Graz I	1394	215.2	25
Klagenfurt I	728	412.1	25	Wien I	1475	203.4	25
Salzburg I	773	388	1				

LOW POWER ST.

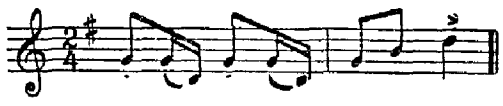
	kc/s	m	kW		kc/s	m	kW
Eisenkappel	520	576.9	0.05	Neunkirchen	1052	285.2	0.05
Feldkirchen	520	576.9	0.05	Friesach	1088	275.7	0.05
Greifenburg*	520	576.9	0.05	Kindberg	1088	275.7	0.05
Landeck*	520	576.9	0.05	Knittelfeld	1088	275.7	0.05
Lienz*	520	576.9	0.08	Liezen	1088	275.7	0.05
Braunau	566	530	0.05	Völkermarkt	1088	275.7	0.05
Feistritz	566	530	0.1	Wolfsberg	1088	275.7	0.05
Eisenerz*	615	487.4	0.1	Bruck/Mur*	1124	266.9	0.1
B. Aussee*	616	487.0	0.025	Hofgastein	1124	266.9	0.05
Bleiburg*	674	445	0.05	Imst	1124	266.9	0.05
Gloggnitz	674	445	0.05	Zell/See	1142	262.7	0.05
Matrei	674	445	0.05	Judenburg*	1219	246.1	0.1
Radenthein*	674	445	0.1	Bischofshof.	1254.8	239.0	0.05
Ried	674	445	0.1	Leoben*	1313	228.5	0.1
Admont	692	434	0.03	Bad Ischl*	1394	215.2	0.05
Kötschach*	692	434	0.1	Maria Pfarr*	1406	213.4	0.05
Mürzzuschl.*	692	434	0.1	Radstadt*	1425	210.5	0.05
Obervellach*	692	434	0.05	Amstetten	1457	205.9	0.05
Villach*	692	434	0.1	Schruns	1457	205.9	0.05
Zwettl	692	434	0.05	Wr. Neustadt	1457	205.9	0.05
Hermagor*	773	388	0.05	St. Pölten	1484	202.1	0.2
Lend	773	388	0.05	Kitzbühel*	1493	200.9	0.05
Mariazell	773	388	0.05	Mittersill	1493	200.9	0.05
Oberdraub.*	773	388	0.05	Reutte*	1493	200.9	0,15
Spittal/Drau*	773	388	0.1	Saalfelden	1493	200.9	0.05
St. Michael/ Lungau	773	388	0.05	Schwarzach	1493	200.9	0.05
Murau*	886	338.6	0.025	Windischgarsten*	1493	200.9	0.35
Gmünd*	888	337.8	0.05	Wörgl*	1493	200.9	0.05
Kufstein*	1002	299.4	0.015	Bludenz*	1498	200.3	0.015
Mayrhofen*	1038	289.1	0.045				
Krems	1052	285.2	0.05				

* operated by postal adm.

FM

	mc/s	kW		mc/s	kW
Stubnerkogel I	88.5	0.3	Kahlenberg I	95.8	50
Patscherkofel I	88.5	0.3	Sonnwendstein	97.4	2.5
Schöckl I	91.2	50	Pyramidenkogel I	97.8	10
Jauerling I	94.3	10	Gaisberg I	99.0	50

N. Wrp.: W. 04.45, 05.45, 06.45, 11.30, 16.00, 19.00, 21.00, 22.00, 23.00. Sun.: 05.05, 05.45, 07.00, 11.30, 16.00, 19.00, 21.00, 23.00
ANN.: "Hier ist der Österreichische Rundfunk, Erstes Programm, von Radio... (name of studio) hören Sie...". INT.-SIG.: Extract from ballet-music from "Rosamunde" by Franz Schubert.

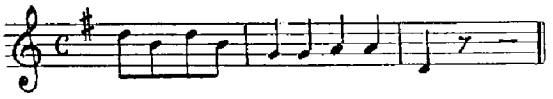


SECOND PRGR.: W. 04.30,–24.00. Sun. 05.00–24.00.

M.W.	kc/s	m	kW		kc/s	m	kW
Aldrans 2	520	576.9	10	Dobl	1025	292.7	100
Klagenfurt 2	584	513.7	25	Kronstorf	1025	292.7	100
Salzburg 2	584	513.7	10	Lauterach 2	1025	292.5	5
Wien 2	584	513.7	100				

FM: Stubnerkogel II 97.23 mc/s 0.1 kW]
N., Wrp., W.: 05.00 06.00 07.00, 12.00, 16.00, 18.00 ,21.00, 23.00 Mo.–Fr. also 22.00 Sun.: 06.00, 08.00, 12.00, 16.00, 18.00, 21.00, 23.00.

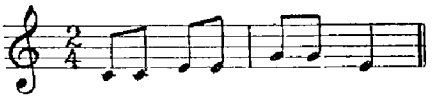
ANN.: "Hier ist der Österreichishe Rundfunk, Zweites Programm, von Radio...(name of studio) hören Sie...".
INF.-SIG.: Extract from Opera "Die Zauberflöte" by W. A. Mozart.



THIRD PRGR.: D. 17.55–22.15 (approx.)
FM-ST.

	mc/s	kW		mc/s	kW
Sonnwendstein II	88.2	2.5	Gaisberg II	94.8	50
Jauerling II	88.8	10	Schöckl II	95.4	50
Stubnerkogel III	90.63	0.1	Linz	99.3	1
Patscherkofel II	92.1	1.5	Kahlenberg II	99.9	50
Pyramidenkogel II	93.0	10			

N., Wrp., 18.00 (W), 20.00, 22.00.
"Second Prgr." relayed by the tr. of the Third Prgr. W.: 04.30–17.55, Sun. 05.00–17.55.
ANN.: "Hier ist der Österreichische Rundfunk, Drittes Programm, von Radio... (name of studio) hören Sie...". – INT.-SIG.: Extract from G-Mayor Symphony with the kettle drum beats by Joseph Haydn.



SHORT WAVE TRANSMISSIONS (irregular):

		Prgr.	kc/s	m	kW	
OEI30	Kronstorf	II	5985	50.13	4	07.00–09.00, 13.00–17.00
OEI20	Innsbruck	I	6000	50.00	0.4	04.30–24.00
OEI21	Wien	I	6155	48.74	0.2	04.30–24.00
OEI31	Wien	II	7135	42.05	0.3	09.00–12.55
OEI22	Kronstorf	II	7245	41.41	4	00.00–02.00, 09.30–12.30
OEI22	Wien	II	7245	41.41	0.3	04.30–08.55, 17.00–23.55
OEI32	Wien	II	9505	31.56	0.3	16.00–18.55
OEI33	Wien	II	9615	31.20	0.3	05.00–06.55
OEI23	Kronstorf	II	9665	31.04	4	19.00–22.00
OEI23	Wien	II	9665	31.04	0.3	07.00–15.55, 22.00–24.00
OEI35	Wien	II	11775	25.48	0.2	17.05–17.45
OEI24	Wien	I	11785	25.46	0.2	04.30–17.00, 18.00–24.00
OEI36	Wien	**	11935	25.14	0.2	02.30–04.55
OEI37	Wien	II	17795	16.85	0.03	13.00–15.00, 16.00–18.00
OEI38	Fleckendorf	II*	25615	11.71	20	07.00–09.00

* operated by postal administration. ** Special prgr.
V. by QSL-card or letter – PUB.: "Radio Österreich", weekly.

PBOJECTED STATIONS:
M. W.:

	kc/s	kW	Prgr.		kc/s	kW	prgr.
Bad St. Leonh.	773	0.05	1[1])	Mühlbach	566	0.05	1[1])
Bisamberg 1	1475	150	1[2])	Neumarkt/			
Bisamberg 2	584	150	2[2])	Stmk.	674	0.05	1[1])
Lienz 1	629	1	1[3])	Tamsweg	1124	0.05	1[1])
Lienz 2	584	10	2[3])				

[1]) spring 1958 [2]) autumn 1958 [3]) begin 1958

FM	mc/s	kW	prgr.		mc/s	kW	Prgr.
Jauerling 1	94.3	50	1[1])	Patscherkofel	92.1	50	3[1])
Jauerling 2	88.8	50	3[1])	Pfänder 1	89.7	50	1[2])
Patscherk. 1	88.5	50	1[1])	Pfänder 2	93.3	50	3[2])

[1]) summer 1958. [2]) autumn 1958.

★ BELGIUM ★

L. T.: GMT + 1 h. – L: French, Flemish. Revrs.: 2.000.000.
BELGIAN NATIONAL BROADCASTING SERVICE (Go.).
Addr.: Institut National Belge de Radiodiffusion, Place Eugene Flagey 18, Bruxelles. Cable: I. N. R., Bruxelles.
L.P.: The Pres. of the Conseil de Gestion Minister of Communications: E. Anseele. Fl. Dept.: Dir. Gen. J. Boon. Dep. Dir. Gen. a. i. and Dir. of Spoken Word: R. Brulez. Dir. Press and Inf.: H. Engels. F. Dept.: Dir. Gen. a. i.: F. Hoosemans. Dir. Press and Inf.: A. Guéry. Tec. Dept.: Dir. Gen.: F. Mortiaux. Asst. Dir. Gen.: G. Gourski. Foreign Relations: Dir. M. Swaenepoel.

HOME SERVICE.

FRENCH Network:

Bruxelles I (Nat.)	620 kc/s	483.9 m	150 kW
Bruxelles IV (Reg.)	1124 –	266.9 –	10* –
FM Bruxelles	95.4 mc/s		2 –

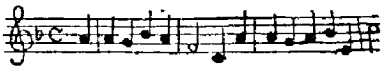
*) Prgrs. from studios in Mons. Namur, Liége, Arlon.

620 kc/s: W. 05.30–09.00, 11.00–22.00 (Sat. 23.00). Sun. 05.30–23.00. N., Wrp.: 06.00, 07.00, 08.55, 12.00, 18.30, 21.00, 21.55, Sat. and Sun. 22.55, – Wrp.: 11.30. – Religious Prgr.: Sun. 18.00. – Bel Canto: Sat. 13.30–14.30 followed by Listeners Requests. – Symphony: Tues. 19.00 or 19.15. – For Troops: 17.00.
1124 kc/s: 09.00–14.30, 17.00–22.00. – German: W. 16.20–16.50.
FM (rel. 620 kc/s): Sun. 12.00–23.00, Wed. Fri. 12.00–22.00.
FLEMISH Network:

Bruxelles II (Nat.)	926 kc/s	324.0 m	150 kW
Bruxelles III (Reg.)	1511 –	198.5 –	20 – **
FM Bruxelles	95.4 mc/s		2 –

**) Prgrs. from studios in Kortrijk, Ghent, Antwerp. Hasselt.
926 kc/s: W. 05.30–09.00, 10.45–22.00 (Sat. 23.00). Sun. 05.30–23.00. N. and Wrp.: 06.00, 07.00, 08.00, 12.00, 18.00. 21.00, 22.00.– Wrp.: 05.30, 11.30. – Religious Prgr.: Sun. 17.30–18.00. – Symphony: Fri. 19.00 or 19.15. – Bel Canto: Sun. 13.00–14.30.
1511 kc/s: 09.00–13.00, 15.30–22.00.
FM (rel. 926 kc/s): Mo., Tues., Thurs. 12.00–22.00, Sat, 12.00–23.00.
ANN.: F.: "Ici Bruxelles, Radiodiffusion Nationale Belge". Fl.: "Hier Brussel, de Belgische Nationale Radioomroep". E.: "Here Brussels, the Belgian National Broadcasting Station".
INT.-SIG.: F. Network Nat.: Extract from Grety's famous melody "Ou peut-on etre mieux".

Fl. Network Nat.: The first movement of "Beiaardlied" (Extract from Rubens' cantata by Peter Benoit).



V. by QSL-card or letter. – PUB.: "De Radio and Televisieweek" and "Mikro-Magazine-Television" (weekly).

FOREIGN SERVICE.

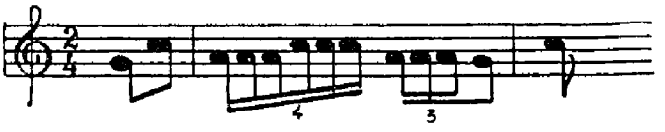
ADDR.: Overseas Service of the BNBS, P. O. Box 26, Bruxelles I. Cable: I. N. R. Mondial. – L.P.: Dir.: F. Zoete.
STATIONS: ORU, Wavre. ORU3/ORU4 = 100 kW. ORU5 = 20 kW. OTC, Leopoldville, Belg. Congo = 50 kW.

Call	kc/s	m	Call	kc/s	m
OTC	[1]) 9655	31.07	ORU5	[6])15280	19.63
ORU3	[2]) 9705	30.91	ORU3/4	[7])15335	19.56
ORU3/5	[3]) 9745	30.78	ORU3	[8])17845	16.81
ORU5	[4])11720	25.60	ORU4	[9])21510	13.94
ORU4	[5])11850	25.32	ORU3/5	[10])21715	13.81

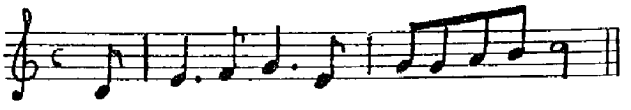
D. PRGR. from 1/11 57 to 28/2 58.

	L.	Freq.	L.	Freq.	Direction	Prgr.
10.00–12.00	F.	8	Fl.	9	Co.	
12.00–12.15			Fl.	8–6	Co., At.	a)
12.15–13.00	F/Fl.	8–9–6			Co., Pa., At.	b)
13.30–15.00	F/Fl.	8–9			Co.	c)
15.00–16.45	F.	8	Fl.	9	Co.	c)
17.00–17.45	Fl/F.	8–7–6			Co., No., Am., At.	b)
18.00–21.00		3–5			Co.	d)
21.15–23.00	Fl/F.	7–5–3			At. (No+So), Sp.	e)
23.15–01.00	F/Fl.	2–5–3–1			Co., Am (No+So)	f)

a) Music. b) For Missionaries and Seamen. c) Sun. only. d) Sun., Mo., Wed., Fri. Sat. bilingual; Tues. & Thurs. Fl. on freq. 3, Fr. on freq. 5. e) For Belgians in the World. f) repeat of 21.15 prgr.
Ann.: Fr.: "Ici Bruxelles. Service d'ondes courtes de la Radiodiffusion Nationale Belge". – Fl.: "Hier Brussel de kortegolfuitzendingen van de Belgische Nationale Omroep".
STARTING-SIG.: Xylophone.



INT.-SIG.: Chime. First bars of "Vers l'Avenir". – V. by QSL-card



★ BULGARIA ★

L.T.: GMT + 2 h. – **L.:** Bulgarian. **Rcvrs.:** 400.000.
ADDR.: Bulgarian Broadcasting at the Ministry of Education and Culture, 4 Dragan Zankov Str., Sofia. Cable: "Bolgarradio". – **L.P.:** Chief of Broadc.: V.Ivanov.

HOME SERVICE:

	kc/s	m	kW	h. of tr.
Sofia I	593	506	20 d	03.25–04.30, 05.45–08.30, 13.00–22.00
Sofia II	827	362.7	100**)	03.25–08.32, 09.55–13.02, 14.53–20.30
Varna	1124	267	5*)	03.25–05.29, 05.45–08.32
Stara Zagora	1223	245	20	09.55–13.02, 14.53–22.00
Sofia III	7670	39.11	5	05.45–08.30, 09.55–13.02

**) Nat. St. "Christo Botev". *) Reg. Relay.
N., Commentary: 03.30[1]), 04.30[2]), 10.30[3]), 12.00[4]), 14.00[5]), 16.00[2]), 18.30[1]), 20.30[6]), 21.45[6]). – [1]) 593, 827, 1124, 1223 kc/s. [2]) 593, 1124, 1223 kc/s. [3]) 593, 1124, 1223 kc/s. [4]) 9700 kc/s for Bulgarians abroad. [5]) 827 kc/s. [6]) 593, 1124, 1223 kc/s.
T.S. (all freq.): 07.00, 10.00 (exc. 827), 16.00 (exc. 7670). – **Prgr. Prev.:** 03.25, 08.40 09.55, 13.02 (827 only), 14.55, 17.00, 20.28 (593 only), 21.55 (exc. 593).

FOREIGN SERVICE:

593 kc/s	506.0 m	20 kW		7255 kc/s	41.35 m	100 kW	
827 –	362.7 –	100 –		7670 –	39.11 –	5 –	
6070 –	49.42 –	100 –		9700 –	30.93 –	100 –	

EUROPEAN SCE.:

	kc/s
Arabic:	
17.00–17.25*)	7670, 9700
English:	
21.15–22.15	7670, 9700
French:	
18.45–19.00	6070, 7670
20.30–21.00	7670, 9700
German:	
11.00–11.30**)	7670, 9700
19.15–19.45	6070, 7670
21.00–21.15	7670, 9700
Greek:	
17.45–18.15	6070, 7670
20.30–20.45	827
Italian:	
18.15–18.30	6070, 7670
20.00–20.30	7670, 9700

[1]) Tues., Thurs., Sat., Sun. only.

No. AMERICAN SCE.:

English:	
01.00–01.30	9700
04.00–04.30	9700
Macedonian:	kc/s
05.00–05.30	593, 7670
10.30–11.00**)	593, 7255, 7670
Serbo-Croat:	
04.30–05.00	593, 7670
10.00–10.30**)	593, 7255, 7670
19.00–19.15	6070, 7670
20.45–21.00	827
Turkish:	
05.30–05.45	593, 7670
17.30–17.45	6070, 7670
18.30–18.45	6070, 7670

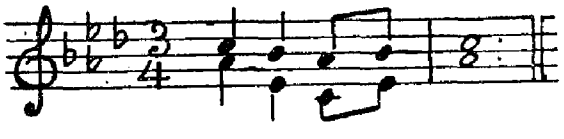
So. AMERICAN SCE.:

Bulgarian [1])	
00.35–00.55	9700

*) Thurs., Fri. only.
**) Sun. only.

ANN.: All broadcasts in foreign languages for the Foreign Service begin with orchestral arrangement of a Bulgarian theme. **E.:** "This is Sofia Bulgarian calling—— (h. and frequencies). **Bulgarian** for the Bulgarians in South America: "Govori Sofia". – **F.:** "Ici Sofia, Radiodiffusion Bulgare——". **Tu.:** "Burasi Sofia radiosu——". – **Gr.:** "Milai Sofia——". – **G.:** "Hier spricht Sofia——". – For Yugoslavia: **Serbian and Macedonian:** "Govori Sofia". Zapochvame nashata emissia za trudeshtite se na FNRJ (We begin our transmission to the working people of FNRJ"). – **I.:** "Qui é Radio Sofia. Qui a Radio Sofia. Nella sua trasmissione per l'Italia——". – **Arabic:** "Huna Sofia——". – **Esperanto:** "Parolas Sofia—— Ni comancas nian dissendon en esperanto".

INT.-SIG.: The beginning of a Bulgarian song, which begins with the words "Dear Homeland":



V. by QSL-card or letter.

★ CZECHOSLOVAKIA ★

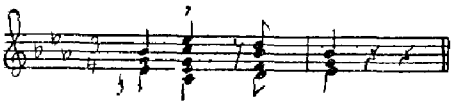
L.T.: GMT + 1 h. – **L.:** Czech, Slovak. – **Rcvrs:** 2.969.412

CESKOSLOVENSKY ROZHLAS (Go.).
ADDR.: Stalinova 12, Praha 12. – Cable: "Radiopraha".
L.P.: Dir. Gen.: F.Necasek. Dep. Dir. Gen.: J.Hrebik. Eng.: M. Vrabec, K.Zavadil. Reg. Dir.: J.Vrabec. Dir. Tec.: J. Benes. Chief Eng.: M.Kazda. Dir. Adm.: V.Ferst. Head of Foreign Service: B. Svec. Head of Foreign Rel. Dept.: K.Reif.

HOME SCE.

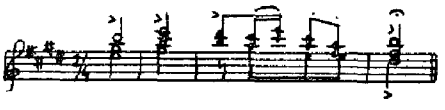
	kc/s	m	kW		kc/s	m	kW
Praha II	272	1102.9	200	Bratislava	1232	243.5	100
Praha I	638	470.2	120	Praha II	1286	233.3	100
Bratislava	701	427.2	100	Praha I	1484	202.2	3
Praha I	953	314.7	100	Praha II	1484	202.2	3
Praha I	953	314.7	30	Bratislava	1484	202.2	3
Bratislava	1097	273.5	150	Praha II	1520	197.3	30

PRAHA I: In Czech:
W. 03.30–23.00 (Sat. 24.00). Sun. 05.00–23.00.
N.: 04.00, 05.00, 06.00, 08.45, 11.30, 15.00, 18.00, 21.00, 22.50.
L.L.: Russian: Tues., Wed. 16.20–16.30. – Mbg.: Wed. 10.00.
PRAHA II in Czech and Slovak:
W. 03.30–23.00 (Sat. 24.00). Sun. 05.00–23.00.
N.: 04.00, 05.00, 06.00, 11.30, 16.00, 18.00, 20.00, 21.30, 22.50.
Nat. Music: Mo., Wed. 18.30. – L.L.: Russian: Thurs. 15.30–15.40.
BRATISLAVA in Slovak:
W. 04.00–23.00. Sun. 05.00–23.00.
N.: 04.00(W), 05.00, 06.00, 09.00, 11.30, 15.00, 18.00, 21.00, 22.50.
Nat. Music: 11.05 Mo., Wed., Thurs., Fri., Sat; 18.30 Mo., Thurs., Fri., Sun.
INT.-SIG.: Praha I: The two opening bars of Smetana's symphonic Poem "Vysehrad":



Praha II: Fanfares from a March by V.Dobiás:

Bratislava: Fanfares from a march by B.Urbanec:



ANN.: Radio Praha I, Praha II, Bratislava: "Stanice Praha I, Praha II, Bratislava". – V. by QSL-card or letter.
FOREIGN SCE.: 100 kW exc. 1097 kc/s 150 kW.

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
OLR2F	6025	49.79	–	9590	31.25	OLR5E	15145	19.81
OLR2G	6055	49.55	OLR4E	11725	25.59	OLR5F	15185	19.76
OLR8E	7255	41.35	OLR4G	11795	25.43	OLR6E	17815	16.84
OLR3B	9504	31.57	OLR4H	11835	25.35	OLR7A	21450	13.99
OLR3D	9515	31.53	OLR4J	11935	25.14	–	1286	233.3
OLR3A	9550	31.41	OLR5D	15125	19.83	–	1097	273.5

Freq. are subject to minor changes with seasonal variations or to avoid interference.

EUROPEAN SERVICE

Czech/Slovak	kc/s
15.30–16.00	7255, 9590, 11725
15.00–16.00*	11795, 15125
19.30–20.00	6055, 7255, 9590
* Sun.	
English	
12.15–12.45	9504, 11725, 15145
19.00–19.30	6025, 9550
21.00–21.30	6025, 6055, 7255, 9550, 9590
22.00–22.30	1286, 6025, 6055, 7255, 9550, 9590
23.10–23.40	1097
French	
11.15–11.45	9504, 11725, 15145
17.30–18.00	6055, 7255, 9590
20.30–21.00	1286
21.30–22.00	1286
German	
10.30–11.00	9504, 11725, 15145
17.15–18.00	1286
19.00–19.30	1286 (for Austria)
20.00–20.30	1286

	kc/s
21.30–22.00	6055, 7255, 9590
23.00–23.15	1286
Greek	
17.30–18.00	6025, 9550
20.00–20.30	6025, 9550
Italian	
16.00–16.25	7255, 9590, 11725, 11795, 15125
18.30–19.00	1286
21.30–22.00	6025, 9550
Serbo-Croat	
19.00–19.30	6055, 7255, 9590
20.00–20.30	6055, 7255, 9590
Spanish	
18.00–18.30	6025, 6055, 7255
20.30–21.00	6025, 9550
23.15–23.45	1286
Swedish	
10.00–10.30	9504, 11725, 15145
18.30–19.00	6025, 6055, 7255, 9550, 9590
20.30–21.00	6055, 7255, 9590

OVERSEAS SERVICE

TO PACIFIC	kc/s
English	
08.30–09.30	15185, 17815, 21450

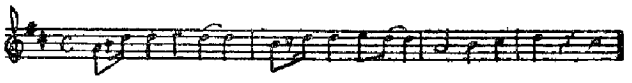
TO No. AMERICA	
English	
00.30–01.00	7255, 9550, 11835
03.00–04.00	7255, 9550, 11835

05.00–05.30 7255, 9550, 11835
Czech/Slovak
01.00–02.30 7255, 9550, 11835
04.00–04.30 7255, 9550, 11835
Spanish
23.00–23.30 7255*, 9550
00.00–00.30 7255*, 9550, 11835
02.30–03.00 7255*, 9550, 11835
04.30–05.00 7255*, 9550, 11835
* for Mexico.

TO M. EAST kc/s
Arabic
16.30–17.25 7255, 9590, 11725, 11795, 15125
19.30–20.00 6025, 9550

TO S. AMERICA
English
00.30–01.00 9515, 11935
03.00–04.00 9515, 11935
05.00–05.30 9515, 11935
Czech/Slovak
01.00–02.30 9515, 11935
04.00–04.30 9515, 11935
Spanish
23.00–23.30 9515, 11935
00.00–00.30 9515, 11935
02.30–03.00 9515, 11935
04.30–05.00 9515, 11935

ANN.: E.: "This is Prague". – Arabic: "Huna Pragh". – F.: "Ici Prague, Tchécoslovaquie." – I.: "Qui Praga, Cecoslovacchia". – G.: "Hier spricht Prag". – Gr.: "Edo Praga". – Yugoslavian: "Govori Prag". – Sp.: "Aqui Radio Praga, Checoslovaquia". – Swedish: "Här är Prag". – Czech/Slovak: "Posloucháte Prahu, vysilani, Cs. rozhlasu pro krajany".
INT.-SIG.: The opening bars of the song "Forward Left" by J. Seidl. – V. by QSL-card or letter.



★ DENMARK ★

L.T.: GMT + 1 h. – L.: Danish. – Rcvrs: 1.397.693.

DANISH STATE RADIO (Go.).
ADDR.: The Danish State Radio, Radiohuset, Rosenørnsallé 22, Copenhagen. – Cable: "Statsradio".
L.P.: Dir. Gen.: F.E.Jensen. Dir. Adm.: J.Jannik. Dir. Secretariate: Ejnar Jensen. Dir. Music: Vagn Kappel. Dir. Talks: Hans Sølvhøj. Dir. Drama: Felix Nörgaard. Dir. Outside Broadcasts: Axel Dahlerup. Dir. Inf. and Shortwave: P.Berg. Dir. TV: J.Fr.Lawaetz. Dir. Tec.: Fr.Heegaard. Dir. N.: N.Grunnet.

HOME SERVICE
1st PRGR.: W.: 05.00–09.40, 10.50–22.00. Sun.: 07.00–14.00, 14.25–22.00.

	kc/s	m	kW		kc/s	m	kW
Kalundborg I	245	1224	150	København I	1484	202	2[1])
København II	1430	210	10	Herstedvester	15165	19.78	50[2])

[1]) 17.00–22.00 only. – [2]) 17.40–21.15 only.
N.: 05.00(W), 06.00(W), 07.00, 11.30, 17.45, 21.00. – Wrp.: 07.45, 10.55, 16.40. – L.L.: French: Mo., Thurs. 17.20–17.40. English: Tues.: 17.00–17.20, 21.15–21.35. Thurs. 21.35–22.00. German: Tues. 21.35–22.00. Thurs. 21.15–21.35. Russian: Every second Fri. 21.35–22.00. – Request Prgr.: Sun. 11.00–13.00. Tues. 18.15–19.15.

2nd PRGR.: W. 17.00–22.00. Sun. 08.00–11.00, 17.00–22.00

	kc/s	m	kW		kc/s	m	kW
Kalundborg II	1061	283	60	Aalborg	1484	202	0.25
København II	1430	210	10	Tønder	1484	202	0.25
Skive	1430	210	70	Esbjerg	1594	188	2

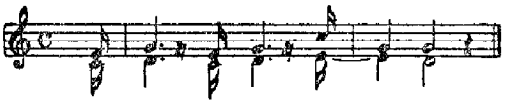
FM:	Prgr. 1 mc/s	Prgr. 2 mc/s	kW		Prgr. 1 mc/s	Prgr. 2 mc/s	kW
København	90.8	96.5	26	Bornholm	94.5	99.3	30
Aarhus	91.7	95.6	30	Sønderjylland	95.1	99.9	60
Aalborg	93.3	89.4	30		98.1 mc/s.		

Prgr. II: [1]) 1/5 58 [2]) 1/9 59.

[1]) Vestjylland	90.2	99.2	60	[2]) Næstved	94.8	99.6	60

ANN.: "Danmarks Radio Program I (Program II)". – INT.-SIG.: Prgr. I: From an old Danish folksong: D. at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.

Prgr. II.

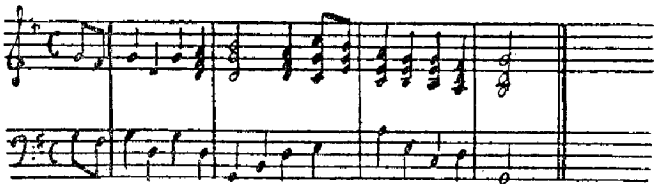


FOREIGN SERVICE: (DS = Danish Ships).

	kc/s	m	kW		kc/s	m	kW		kc/s	m	kW
OZF3	6060	49.50	50	OZF5	9520	31.51	50	OZF8	15180	19.76	50
OZF4	7260	41.32	50	OZF7	15165	19.78	50	OZF9	15320	19.58	50

01.30–02.30	D.	on 9520	kc/s	NAm.
02.30–03.00	Tues., Thurs., Sat.	on 9520	–	DS
03.00–04.00	D.	on 9520	–	NAm
04.00–04.30	Tues., Thurs., Sat.	on 9520	–	DS
05.00–06.00	Tues., Fri.	on 15180	–	Af., ME
09.00–10.00	Tues., Thurs., Sat.	on 15165	–	FE, Au, NZ[1])
10.00–10.30	Tues., Thurs., Sat.	on 15165	–	DS
15.00–16.00	Tues., Thurs., Sat.	on 15165	–	Sas
16.00–16.30	Tues., Thurs., Sat.	on 15165	–	DS
17.00–17.30	Tues., Thurs., Sat.	on 9520	–	DS[1])
17.40–21.15	D. (Home Service)	on 15165	–	Af, ME
22.30–23.30	Mo., Wed., Fri.	on 9520	–	SAm[2])
23.30–24.00	Tues., Thurs., Fri.	on 9520	–	DS

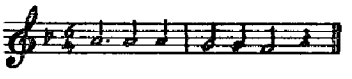
[1]) Last 15 minutes in English. – [2]) Every second Wed. Mailbag.
Obs.: Presumably from Jan. 1st 1958 special broadcasts to Danish ships: Daily 10.00–10.30 Far East 15165 kc/s 19.78 m; 15.00–15.30 to Asia 15165 kc/s 19.78 m; 16.00–16.30 Mediterranean and Middle East.
Prgrs. in Danish consists of N., Music, Songs, Talks and Features about life in Denmark and Reportages. – On all weekdays the broadcast to U.S. and Canada consists of a 30 minute prgr. in Danish and 30 minute prgr. in English.
A sketch of a weeks prgr. in Danish and in English: Mo.: N., Literary, Music, D. Views on the N., Classical Da. Music. – Tues.: N., Reportage, Entertainment. - Wed.: N., Entertainment, Actualities, Da. Folk Music, Dx-Bulletin 02.20, 03.50. – Thurs.: N., Feature, Quiz, Concert, Dx-Bulletin 09.50, 15.50. – Fri.: N., Talk Da., Views on the N., Anything-anybody. – Sat.: N., Light Prgr., Saturday Night Club. – Sun.: Church Service, Da. Music, Reportage. – The Saturday Night Club will also contain letters from listeners and musical requests.
On Wed. 23.00–23.30 (N. and Music) and on Fri: 23.15–23.30 a special prgr. (Feature and Music) in Spanish (to S.America).
A special DX-Bulletin: Tues. at the end of the two No.Am. prgr.s.
ANN.: "Danmarks Kortbølgesender". – "You are tuned to the Voice of Denmark". – Every transm. begins with the chimes of the Town Hall, followed by the National Anthem. – INT.-SIG.: The first movement of "Som en rejselysten Flaade" composed by Carl Nielsen:



Message to Listeners: The Danish State Radio is anxious to receive reports on prgr. and on reception conditions from all parts of the world. It makes every endeavour to get into touch with countrymen and listeners in countries abroad with a view to provide the best possible short wave service. – V. by letter or QSL-card.

★ FAEROE ISLANDS (Danish Territory) ★

L.T.: GMT. – L.: Faroese. – Rcvrs.: 5000.
ADDR.: Utvarp Föroya, Tórshavn. – L.P.: Mgr.: A.Tórgard.
HOME SCE.: 1367 kc/s 219 m 5 kW: 12.20–12.45, 18.30–19.45.
Prgr. consists of Wrp., N. from the Faroes, foreign N., music. In the evening prgr. also lectures.
ANN.: "Faroe Radio – Utvarp Föroya". – INT.-SIG.:



★ FINLAND ★

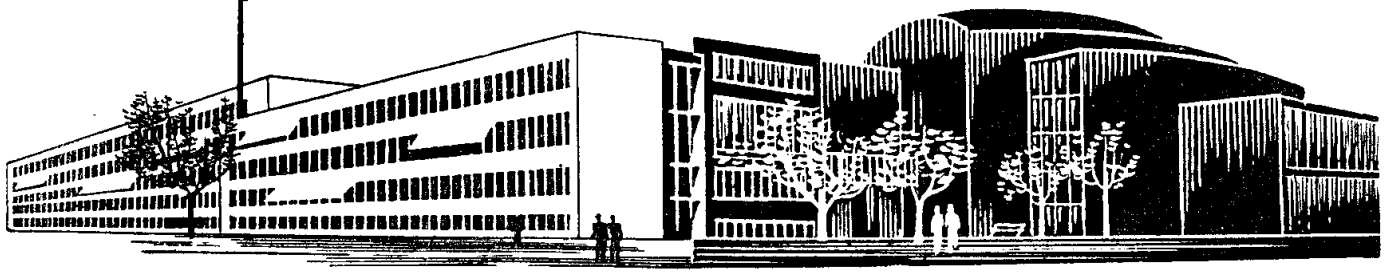
L.T.: GMT + 2 h. – L.: Finnish, Swedish. – Rcvrs.: 1.100.000. –
OY YLEISRADIO AB. (Go.)
ADDR.: Unionkatu 16, Helsinki. Cable: "Yleisradio".
L.P.: Dir. Gen.: E. Sundström. Dept. Dir. Gen.: O. Toivonen. Dir. Finnish Prgr.: J. Koskiluoma. Dir. Swedish Prgr.: R. Ölander. Dir. Tec.: J. Rissanen. Information: Vacant. TV-Prgrs.: Vilhelm Zilliacus.

HOME SERVICE
FINNISH NETWORK: W. 04.30–06.10, 08.50–12.10, 15.00–21.00. Sun. 05.45–21.00.

Listen to

THE VOICE OF DENMARK

The Danish short wave transmissions are beamed to North America, South America, Africa, India and the Far East



To North America on 31.51 m—9.520 kc/s.
Daily 1.30—2.30 and 3.00—4.00 GMT. E.S.T.: 8.30—9.30 and 10.00—11.00 p. m.
DX-bulletin: Wednesdays 2.20—2.30 a. m. and 3.50—4.00 a. m. GMT.

To South America on 31.51 m—9.520 kc/s.
Mondays, Wednesdays and Fridays 23.00—24.00 GMT.

To Far East, Australia and New Zealand on 19.78 m—15.165 kc/s.
Tuesdays, Thursdays and Saturdays 9.00—10.00 a. m. GMT.
DX-bulletin: Thursdays 9.50-10.00 a. m. GMT.

To South Asia on 19.78 m—15.165 kc/s.
Tuesdays, Thursdays and Saturdays 14.00—15.00 GMT.
DX-bulletin: Thursdays 14.50-15.00 GMT.

To Africa and the Near East on 19.76 m—15.180 kc/s.
Tuesdays and Fridays 5.00—6.00 a. m. GMT.
Presumably from jan. 1st 1958 from 16.40–17.40 GMT. 19.78 m—15.165 kc/s.

For listeners in Near East 19.78 m—15.165 kc/s.
Daily 17.40—21.15 GMT rebroadcast of Danish home service.

Presumably from jan. 1958 special broadcasts to Danish ships daily 10.00–10.30 GMT. Far East 19.78 m–15.165 kc/s, 15.00–15.30 GMT. South Asia 19.78 m—15.165 kc/s, 16.00–16.30 GMT. Mediterranean and Middle East 19.78 m—15.165 kc/s, 00.00–00.30 GMT. South America 31.51 m—9.520 kc/s, and 01.00–01.30 GMT. North America 31.51 m—9.520 kc/s.

Listeners all over the world are invited to send reception reports together with their criticisms and programme suggestions to

the SHORTWAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK

Answer by letter or QSL-card

advertisement The Voice of Denmark

L-M Waves:	kc/s	m	kW		kc/s	m	kW
Helsinki II	1484	202	1	Ylivieska	836	359	10
Pori	1484	202	1	Kuopio	755	397	20
Tampere	1484	202	1	Joensuu	520	577	1
Turku II	1484	202	0.2	Oulu	433	693	10
Helsinki III	845	355	0.2	Lahti	254	1181	200

Short Wave: Pori OIX7 6120 kc/s 49.02 m 15 kW.

FM Stations	mc/s	kW		mc/s	kW		mc/s	kW
Kokkola	99.7	10	Vaasa I	95.2	25	Helsinki I	91.9	40
Kajaani	99.4	40	Iisalmi	94.9	0.7	Kuopio	91.6	25
Ähtäri	98.5	40	Kristiina I	94.6	10	Imatra	91.0	15
Pori I	97.3	3	Turku I	94.3	25	Tampere II	90.7	0.7
Rovaniemi	96.7	10	Ylivieska	94.0	10	Koli	90.1	15
Kotka	96.1	0.3	Tampere I	93.7	10	Forssa	89.2	0.1
Savonlinna	95.8	10	Jyväskylä	92.2	10	Mikkeli	88.9	10
Lahti	95.5	15						

The FM-stations broadcast the Finnish main prgr. and in addition music prgr. on weekdays at 14.00–15.00.

N., Wrp.: 04.30, 06.00, 10.30, 16.55, 17.00, 20.00. – **L.L.: English:** Mo. 16.15. Fri. 15.45. **German:** Wed. 20.10–20.30. – **Mbg.:** Mo. 15.40.–

BILINGUAL NETWORK: (Finnish & Swedish):

W.: 04.30–06.10, 08.50–12.10, 15.00–21.00. Sun. 05.45–21.00.

M. W.	kHz	m	kW	L. W.	kHz	m	kW
Turku I	962	312	100	Pietarsaari	1484	202	1
Helsinki I	557	539	100	Tammisaari	1484	202	0.2
Vaasa	1241	242	25				

FM-stations.	mHz	kW		mHz	kW
Pori II	99.4	3	Vaasa II	93.1	25
Turku II	98.2	25	Kristiina II	90.1	10
Pietarsaari	97.6	10	Tammisaari	89.5	3
Helsinki II	94.0	40			

Swedish Prgr.: W. 04.40–04.50, 05.30–05.45, 06.10–06.20, 10.40–10.50, 17.15–17.30, 20.10–20.20, Sun. 06.40–07.05, 10.40–10.50, 11.00–12.45, 17.15–17.30, 20.10–20.20. – Additional Swedish Prgr.: 11.10–12.10 (Tues. Thurs.) 14.45–15.00 (Mo. Fri.), 16.00–17.00 (Mo. Wed. Fri.), 17.30–18.30 (Tues. Thurs. Sat.), 20.20–21.00 (Mo. Fri.), 20.30–20.40.

N., Wrp.: 04.40, 06.10, 10.40, 17.15, 20.10. – **L.L.: Finnish:** Sun. 12.20. – **Mbg.:** Mo. 16.45.

FOREIGN SERVICE

Pori OIX2 9555 kc/s 31.40 m 15 kW OIX5 17800 kc/s 16.85 m 10 kW
OIX4 15190 – 19.75 – 100 –

To Europe and So. Am.:
Sun. 10.50–11.50. Prgr. for Seamen in **Finnish, Swedish.**
W. 10.50–11.05. **N. in English, French.** 11.05–11.50: **Prgr. in Finnish.**

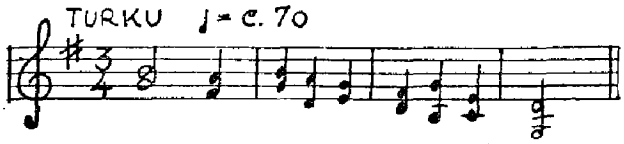
To No. Am.
Sun. 12.00–13.00. **Prgr. in Finnish and Swedish.** 13.00–14.00. **Prgr. for Seamen.** Mon. 12.00–12.15. **N. in English, French.** 12.15–14.00. **Prgr. in Finnish.** Tues.-Sat. 12.00–12.15. **N. in English, French.** 12.15–14.00. Prgr. in **Finnish and Swedish.**

ANN.: Fi.: "Suomen Yleisradio" followed by prgr. announcement (all stations). Fi. and Sw.: "Suomen Yleisradio, Finlands Rundradio", (Helsinki, Turku, Vaasa and Pietarsaari).

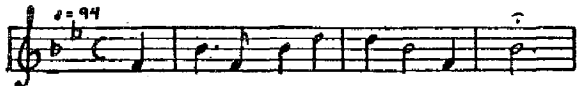
INT.-SIG.: Every weekday at 08.45: Normal-a.

Lahti and Helsinki: The interval-signal is based on an old Finnish melody, the "Kantate melody".

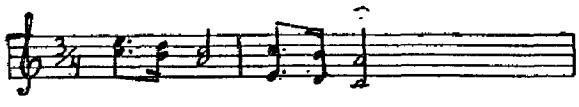
Turku: A fragment of "Ergo plebs finnonica", the hymn of St. Henrik.



Vaasa: The first notes of "Vasa March" by Karl Collan.



Kuopio: The first notes of a well-known song about the beauty of the lake Kallavesi.



V. by QSL-card.

★ FRANCE ★

L.T.: GMT + 1 h. – **L.:** French. – **Rcvrs.:** 9.500.000.

RADIODIFFUSION-TELEVISION FRANÇAISE (Go.)

ADDR.: 107, rue de Grenelle, Paris, 7 ème. – **Cable:** Radiodif. Paris.

The Regional Services: 2, Cours de Tournon, Bordeaux. – 36, Bld. de la Liberté, Lille. – 6, Bld. V. Hugo, Limoges. – 20, Quai Gailleton, Lyon. – 2, Allée Ray Grassi, Parc Chanot, Marseille. – 6, Av. Hippolyte Maringer, Nancy. – 9, Avenue Janvier, Rennes. – 2, Av. de la Marsaillaise, Strasbourg. – 78, bis Allées Jean-Jaurés, Toulouse.

L.P.: The Central Services: Président du Conceil Supérieur: M. Paul Rivet. Directeur Général: M. G. Delaunay. Chef de l'Inspection Générale: M. Daumard. Chef des Services de la Direction Générale: M. Bonami. Directeur des Services Généraux: M. Lenoble. Directeur des Services Techniqués: M. Leschi. Chef du Service de l'Exploitation (radio-television): M. Mercier. Directeur des Services Artistiques: M. Gilson. Directeur des Programmes de Télévision: M. D'Arcy. Directeur des Informations: M. Gayman. Directeur des Emissions vers l'Etranger: M. Besombes. Directeur des Echanges Internationaux: M. Robida. Directeur du Programme National: M. Barraud. Directeur du Programme Parisiens: M. Brechignac. Directeur du Paris-Inter: Mme Mella. Dir. du Club d'Essai et du Centre d'Etudes Radio-Television: M. Tardieu.

The Regional Services (Regional Directors): Bordeaux: M. Dieuaide. **Lille:** M. Lafond. **Limoges:** M. Zampon. **Lyon:** M. Wadin. **Marseille:** M. Besse. **Nancy:** M. Villatte. **Rennes:** M. Favennec. **Strasbourg:** M. Caussidery. **Toulouse:** M. Beral.

HOME SERVICE

NATIONAL NETWORK:

	kc/s	m	kW		kc/s	m	kW
Paris I	863	348	150	Marseille I	710	422	150
Bordeaux I	1205	249	100	Strasbourg II	1277	235	100

Synchronized Network I: 1241 kc/s 242 m 20 kW: Brest I, Rennes II, Pau, Nancy II, Nice III, Lyon II, Lille II.

Synchronized Network II: 1349 kc/s 222 m 20 kW: (Nantes 10 kW). Clermont, Grenoble I, Nantes I, Limoges II, Toulouse II.

Synchronized on common international wavelength:
1484 kc/s 202 m 0.05/1 kW: Dijon, Annemasse, Caen, Poitiers, St. Brieux.
1493 kc/s 201 m 0.18 kW: Besançon.

FM: Caen 87.8 mc/s 12 kW – Lille 92.2 mc/s 2 kW
Metz 89.7 – 12 – – Lyon-Pilat 92.7 – 12 –

D. PRGR.: W. 05.00–08.15 (09.00 or 08.30), 10.30–23.00. Sun. 05.00–23.00.

N.: W.: 06.00, 08.00, 12.00, 13.00, 22.46. Sun. 08.05, 12.00, 22.46 **"Ici New York"** (Rel. from New York) W. 18.30–18.50. – **"Paris Vous Parle":** 18.50–19.00.

Wrp.: W. 05.44, 06.23, 08.13, 11.57, 18.00, 22.45. Sun. 06.29, 06.59, 08.13, 11.57, 18.44, 22.45. – **"Grand Messe":** Sun. 09.00–10.00 (rel. on 7240 kc/s). – **Arabic:** 05.00–05.43 (Sun. 06.28), W. 10.30–10.58 (rel on. 9550 kc/s).

PARISIAN NETWORK:

	kc/s	m	kW		kc/s	m	kW
Paris II	1070	280	100	Toulouse I	944	318	100
Marseille II	1070	280	20*	Lyon I	602	498	100
Lille I	1376	218	150	Nancy I	836	359	100/150
Rennes I	674	445	150	Strasbourg I	1160	259	100/150
Limoges I	791	379	100	Bayonne	1493	201	1

* Syncr. with Paris II [a]) temporarily 962 kc/s.

Synchronized Network III: 1403 kc/s 214 m 20 kW. BordeauxII, Rouen, Montpellier I (10 kW), Nice II, Brest II.

FM: Caen 91.5 mc/s 12 kW.

D. PRGR.: W. 04.58–08.01, 10.58–22.00. Sun. 05.59–22.30.

Parisian Programme can be heard daily on 9755 and 9675 kc/s from 19.00–19.25.

N.: W.: 05.30, 07.00, 19.00, 21.00. Sun.: 07.00, 19.00, 21.40.

Weatherrep.: W.: 11.04. – **"Actualités de Paris":** D.: 11.30.

"Disque des Auditeurs": Sun.: 06.20–06.50, 07.45–08.15. – **"Ici New York":** Sun. 17.30.

PARIS INTER NETWORK:

Allouis 164 kc 1829 m 250/500 kW* – Nice I 1554 kc 193 m 60 kW.

Low Power Stations:

Paris III	584	514	1	Perpignan	1484	202	1
Toulouse III	1493	201	1	Grenoble II	1484	202	0.05
Marseille III	1493	201	1	Montpell. II	1484	202	0.05
Nantes II	1493	201	0.05	Nimes	1594	188	2
Strasbourg III	1493	201	0.05	Toulon	1594	188	0.05
Brest III	1493	201	1				

* 18.15–23.00 with 500 kW.

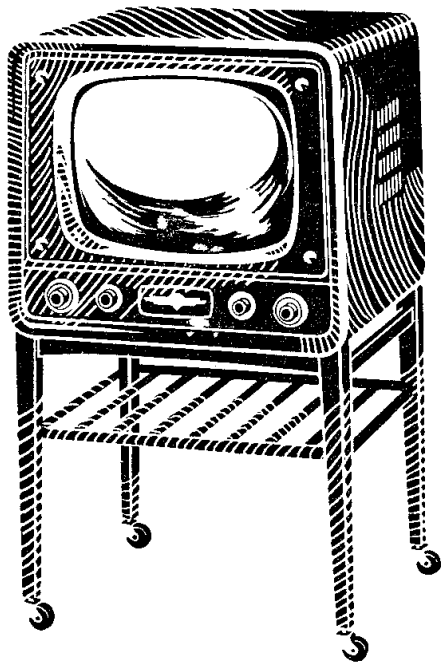
D. PRGR.: 05.30 (Sun. 06.00)–01.00.

Paris Inter Programme can be heard on 6200 kc/s D. 07.00–23.00.

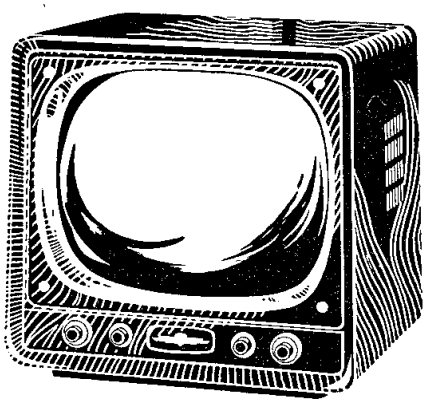
N.: W.: 09.15, 10.15, 11.15, 12.15, 13.15. 14.15. 15.15, 19.50, 22.00, 00.57. Sun. 08.15, 22.25, 00.57. – **"Paris Vous Parle":** D. 18.15–18.45.

Et syn, der vil glæde enhver

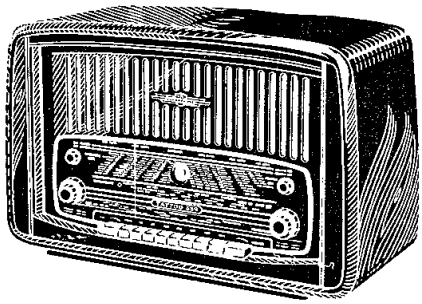
Superphone fjernsyn har FM-radio
og grammofontilslutning,
12 monterede kanaler, samt
automatisk billedkontrol



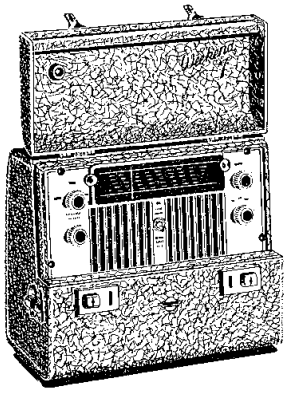
Bordmodel med 17″ billedrør
Fås i teak eller nøddetræ.
Kr. 2040,-.
Understel kr. 80,-.



Bordmodel med 21″ billedrør
og to højttalere.
Fås i teak eller nøddetræ.
Kr. 2455,-.



Tattoo,
koncertmodtager med fem bølgeområder og trykknapomskifter.
AM/FM **kr. 865,-.**

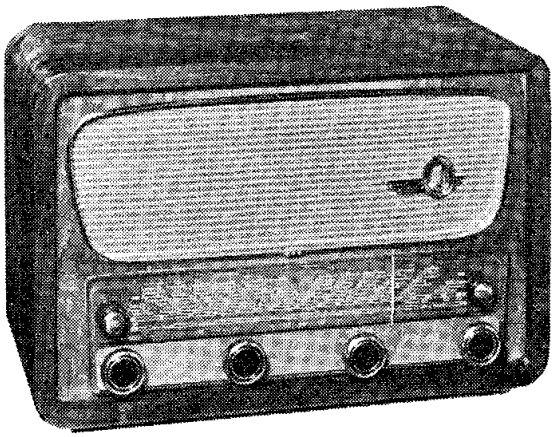


Weekend,
den transportable modtager.
Kr. 395,-.
(ekskl. batterier)

Superphone

advertisement Superphone

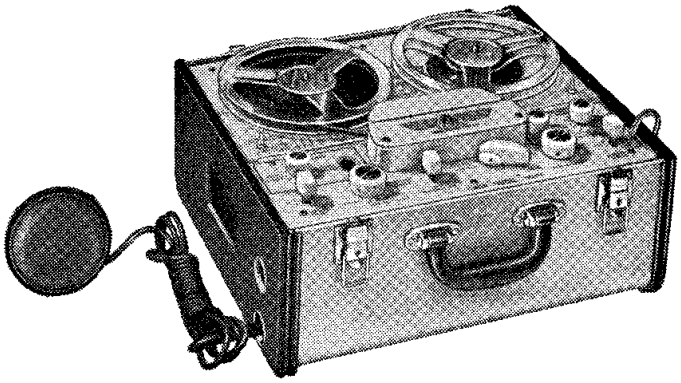
RADIO ARAKO FJERNSYN



Leverandør til Stat og Kommune

ARAKO RADIO . Rosenørns Allé 16 . København V.

Se og hør den nye **ELTRA**



BÅNDOPTAGER 950

Korrekt gengivelse af musik og tale — FM-kvalitet. Ideel til kontorbrug — diktat, møder og telefonsamtaler. Velegnet til enhver form for undervisning.

Bl. a. leveret til:
Post- og Telegrafvæsenet — Undervisningsministeriet — Hæren — Flåden — Rigspolitiet — Gentoftes og Københavns Skolevæsen og S. A. S.

Reportagemodel i kuffert kr. 1700.-
Studiemodel i kasette . . kr. 1495.- } **+ afg. 15.75**

A/S **ELTRA** MÆLKEVEJ 3–9, KØBENHAVN F . C. 119

advertisement Arako Radio Eltra

FM NETWORK: W. 09.15–13.00 (rel. Paris Inter), 13.00–22.00. Sun. 08.30–22.00.

Mulhouse*	92.1 mc/s	12	kW	Caen	95.6 mc/s	12	kW
Toulouse	92.8 –	0.25	–	Paris*	96.1 –	5	–
Metz	93.3 –	12	–	Nancy*	96.9 –	0.25	–
Strasbourg*	95.0 –	2	–	Bordeaux*	98.1 –	0.25	–

* also rel. Paris Inter Network.

SPECIAL BROADCASTS:
Paris IV 962 kc/s 312.0 m 5 kW.
D. PRGR.: "Culture Française": Sun. 08.00–12.00. Sat. 12.30–16.00. – **In Arabic:** Sun. 06.45–08.00.

ANNOUNCEMENTS:
The National, the Parisian and Inter Networks: At opening and close down: "La Marseillaise". – **General announcement:** "Içi Paris Radiodiffusion-Télévision Française. – (Prgr. National "Parisien" or "Paris Inter"). – **Bordeaux:** "Içi Bordeaux Radiodiffusion "Télévision Française". – **Lille:** The first movement of the melody "Petit Quinquin" followed by "Ici Radio Lille. – Radiodiffusion-Télévision Française". – **Limoges:** "Içi Limoges – Radiodiffusion-Télévision Française" – **Lyon:** Harmonizing by R. Corniot of the melody "Les Boeuf" by F. Dupont followed by "Içi Lyon-Radiodiffusion-Télévision Française". – **Marseille:** The first movements of the Provencal Suite by Bessière followed by "Ici Marseille Provence-Radiodiffusion-Télévision Française. – **Nancy:** Some movements from "A la Volette" followed by "Içi Radio Lorraine, Champagne, Radiodiffusion-Television Française", – **Rennes:** Trumpet fanfares by Brand followed by "Içi Radio Bretagne, Radiodiffusion-Télévision Française". – **Strasbourg:** The first movements of "Que notre Alsace est belle" followed by "Içi Strasbourg-Radiodiffusion-Télévision Française". – **Toulouse:** The first movements of "Montagnards" followed by "Içi Toulouse, Radiodiffusion-Télévision Française".

FOREIGN SERVICE:
Short Wave Centre Allouis and Issoudun: 13 transmitters, each 100 kW, and 1 transmitter 10 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3965	75.67	7240	41.44	9755	30.76	15420	19.45
5955	50.37	7280	41.21	9765	30.72	17720	16.93
5965	50.28	9520	31.51	10430	28.75	17765	16.89
6045	49.63	9540	31.45	11700	25.64	17850	16.81
6145	48.82	9550	31.41	11845	25.32	17900	16.76
6200	48.39	9560	31.38	11920	25.17	21580	13.90
7100	42.25	9585	31.30	15100	19.87	21620	13.88
7105	42.22	9625	31.17	15125	19.83	21640	13.86
7120	42.13	9640	31.12	15240	19.68	21720	13.81
7160	41.89	9675	31.01	15295	19.61	21740	13.80
7165	41.87	9680	30.99	15350	19.54		
7220	41.55	9750	30.77	15400	19.48		

EUROPEAN SERVICE:
Arabic: W. 10.30–11.00 on 9550 kc/s.
German: W. 18.00–19.00 on 6045 kc/s.
Bulgarian: D. 19.00–19.45 on 9560, 11920 kc/s.
Czech, Slovak: D. 19.00–20.00 on 3965, 5955 kc/s (Also Tangier 15190 kc/s.
Danube Balkan in French: Sun. 17.30–17.50 on 5955, 7220 kc/s.
D. 20.00–21.00 on 3965, 5955 and 15190 kc/s (Tangier).
English to Great Britain: W. 07.45–08.00 (French by Radio) on 7240 kc/s. Sat., Sun. 14.00–15.00 on 7240 kc/s.
French: 07.45–09.00 (1st Sun. of the month) on 9550 kc/s ("Messe Rite Oriental"); 09.00–10.00 (Sun.) on 7240 kc/s (Catholic Mass to Ea, Eu).
Greek: D. 11.30–11.45 (relayed by R. Athens) on 15295 kc/s.
Hungarian: D. 18.15–19.00 on 3965, 5955, 9540, 9765 kc/s. – 21.00–21.45 on 15190 kc/s (Tangier, Retransmission of 18.15 prgr.).
Polish: Sun. 10.00–11.00 on 9550 kc/s. (Religious Service from the Polish Church in Paris). – W. 17.00–17.15 on 5955, 7220 kc/s ("French by Radio"). – D. 19.00–20.00 on 6045, 7160, 9540, 9625, 15400 kc/s.
Portuguese: W. 07.30–07.45 on 7240 kc/s (French by Radio).
D. 19.00–19.30 on 7240, 9765 kc/s.
W. 19.30–19.45 on 7240, 9765 kc/s (French by Radio).
Rumanian: D. 18.15–19.00 on 9560, 11920 kc/s.
Spanish: W. 07.15–07.30 on 7240 kc/s (French by Radio).
D. 21.00–21.45 on 5955, 7240 kc/s.
W. 21.45–22.00 on 5955, 7240 kc/s (French by Radio).
Serbo-Croatian and Slovene (to Yugoslavia). D. 18.00–19.00 on 7160, 9675, 15400 kc/s.

OVERSEAS SERVICE: French:
To Madagascar, Comoro Islands, French Somali Coast, Reunion: Kerguelen: 01.30–01.45 on 9560 kc/s; 16.00–16.30 on 15350, 17850 kc/s.
To No. Africa: 06.00–06.25 on 5965 kc/s; 07.00–07.20 on 7160, 9585 kc/s; 13.00–14.00 (W) on 11920/15295 kc/s; 19.00–19.25 on 9675, 9755, 10430 (and Tangier 11900 kc/s). 21.00–22.00 (W) on 7105, 9560, 9755 kc/s.
To Tahiti, Marquésas Islands: 06.00–06.30 on 9755, 11920 kc/s.
To French West Africa and French Equatorial Africa: 06.45–07.15 on 11920, 15240 kc/s; 11.45–12.00 on 21580 kc/s; 20.00–20.30 on 15240, 15400, 17720 kc/s. 13.50–17.00 (Sun.) on 21580 kc/s ("Sports et Musique").
To New Caledonia, New Hebrides: 07.30–08.00 on 15240, 17850 kc/s.
To Antilles, Guiana, St. Pierre and Miquelon: 10.30–11.00 on 17900, 21580 kc/s; 23.30–01.00 on 9560, 11845 kc/s (rel. by Ft. de France).
To Indo-China: 12.58–15.00 (Sun. 15.50) on 17900, 21620 kc/s; 23.00–23.30 on 9675 kc/s.
To Canada: Mo.–Fri.: 17.30–17.50 on 17850, 21580 kc/s.
To M. East: D. 16.30–17.15 on 9675, 11845, 15350 kc/s.
Arabic:
To M. East: 04.00–05.00 on 7160, 7240, 9560 kc/s; 12.00–13.00 on 11845, 15350, 17850 kc/s; 16.00–18.00 on 9560, 11920, 15125, 15420, 21720 kc/s.
To No. Africa: 06.30–11.00 on 7220, 9560, 11700 kc/s (also 15295 kc/s 10.00–11.00); 13.00–16.00 on 11700/15400 kc/s; 19.45–21.00 on 7240, 9550, 9755 kc/s.
ANN.: "Allo...(name of area), Paris vous parle".
V. by QSL-card.

★ GERMANY ★

L.T.: GMT + 1 h. – **L.:** German. – **Rcvrs.:** 14.184.842

GERMAN FEDERAL REPUBLIC
DEUTSCHE WELLE

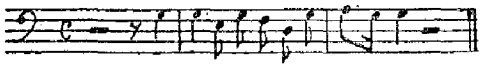
Kurzwellendienst der Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland.
ADDR.: Deutsche Welle. WDR.-Funkhaus, Köln, Wallrafplatz 5 or Postfach 239, Köln. – **L.P.:** Intendant: Hanns Hartmann. Chief Editor: Dr. Hans Otto Wesemann. Dx-Editor: Horst A.C.Krieger.
STATIONS: Jülich DMQ – 100 kW:

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5980	50.17	9630	31.15	15275	19.64	17875	16.79
6115	49.06	9640	31.12	15375	19.51	21490	13.96
7170	41.84	9735	30.82	15405	19.47	21650	13.86
7205	41.64	11795	25.43	17815	16.84	25650	11.70
7290	41.15	11945	25.12	17845	16.81	25900	11.58

OVERSEAS SERVICE:

H. of tr.	Area	L.	kc/s	
07.00–10.00	F.E.	G., E., F.	11795/21650	Two frequencies are always used in every transmission
14.30–17.30	N.E.	G., E., F.	15275/17815	
18.00–21.00	Af.	G., E., F.	11795/15275	
22.00–01.00	So. Am.	G., P., Sp.	11795/15375	
01.30–04.30	N. Am.	G., E., F.	9640/11795	

N. in German: 07.00, 09.45, 14.30, 17.15, 18.00, 20.45, 22.00, 00.45, 01.30, 04.15. – **N. in English and French:** 08.00, 15.30, 19.00, 02.30. – **N. in Spanish and Portuguese:** 23.00. – **Commentary in German:** 09.55, 17.25, 20.55, 00.55, 04.25. – **"Wie wir leben":** 09.00, 16.30, 20.00, 00.00, 03.30. – **"Unter uns gesagt":** Wed.: 07.30, 15.00, 18.30, 22.30, Thurs. 02.00. – **DX-prgr.** (in German and English): Every 2nd Mo. in the month: 07.30, 15.00, 18.30, 22.30, Tues. 02.00. – **"Volksmusik":** Tues.: 07.15, 14.45, 18.15, 22.15. Wed. 01.45. Sat.: 09.15, 16.45, 20.15. Sun.: 00.15, 03.45. – **Request Prgr.:** Sat. fortnightly: 07.15, 14.45, 18.15, 22.15. Sun. 01.45. – **L.L.:** English: Mo., Thurs.: 10.00, 17.30, 21.00. American: Tues., Fri. 04.30. French: Tues., Fri. 01.00. Portuguese: Wed., Sat. 01.00. – **Prgr. Pr.:** 07.13, 09.58, 14.43, 17.28, 18.13, 20.58, 22.13, 00.58, 01.43, 04.28.
ANN.: G.: "Hier ist die Deutsche Welle. Sie hören uns aus Köln über Richtstrahler nach...im...Meterband auf...kHz. Die Deutsche Welle sendet dieses Programm im Auftrag der Rundfunkanstalten der Bundesrepublik Deutschland. Sie hören uns täglich von...bis...Uhr mitteleuropäischer Zeit." – E.: "This is the Voice of Germany. Our programme from Cologne is beamed to...on the... metre bands. The frequencies are...kilocycles. This programme is sponsored by the broadcasting stations of the German Federal Republic and is on the air every day from...to...Central European time".
INT.-SIG.: Motiv from "Fidelio" by Beethoven: "Es sucht der Bruder seine Brüder" played on Celesta



V. by QSL-card. Prgr. sched. free on request.

BAYERISCHER RUNDFUNK (Anstalt des öffentlichen Rechts)

ADDR.: München 2, Rundfunkplatz 1. – **Cable:** "Bayernfunk München".
L.P.: Intendant: Dr. F. Stadelmayer. Stellvertr. Intendant, Prgr.-Koordinator, Chefredakteur Politik u. Wissenschaft: W. von Cube. Adm.: H. Spies. Dir. Tec.: Dr. F. Daser. Justitiar: Dr. O. Leiling.

HOME SERVICE
MEDIUM WAVE PRGR.: Mo.-Fri.: 04.30–08.55, 09.35–24.00. Sat./Sun. 05.00–24.00. *) = night only.

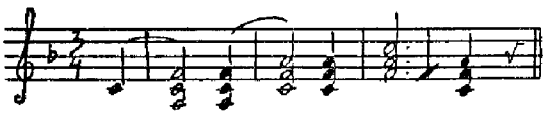
M. Waves:	kc/s	m	kW		kc/s	m	kW
Bayreuth	520	577	5/0.2	Hof	1602	187	0.4
3 lowpower	520	577	0.2*)	Nürnberg	1602	187	20/40
München	800	375	100	Landau	1602	187	20*)
5 lowpower	1484	202	1/2*)	Kirchheim	1602	187	20*)

FM:	mc/s	kW		mc/s	kW
Lindau	88.3	0.5	Bad Reichenhall	90.3	0.5
Burgstall/H. Bogen	88.8	18	Wendelstein I	93.6	100
Traunst./Hochberg	89.1	3	Pfaffenberg/		
Rotbühl	89.4	1	b. Aschaffenbg.	94.2	18
Berchtesgaden	89.7	0.5	Bamberg I	94.5	12
Hühnerberg/			Kreuzberg I	97.75	3
b. Harburg	89.7	20	Dillberg I	98.7	18

Short Wave: München 6160 kc/s 48.70 m 10 kW.
N.: 05.00(W), 05.45(Sun), 06.00(W), 07.00(W), 08.00, 12.00, 16.00(W), 18.45, 21.15, 23.00.
FM-PRGR. (Second Prgr.):
W.: 05.05–06.00, 07.30 (or 07.10)–08.50, 17.00–23.00. Sun.: 06.00–22.30. – Other times relay m.w. prgr.

	mc/s	kW		mc/s	kW
Würzburg/			Bamberg/Geisberg II	90.9	12
Frankenwarte	87.6	3	Hohe Linie	90.9	12
Tegernsee Tal	87.6	0.1	Brotjacklriegel	91.5	60
Landshut	87.9	0.1	München-Freimann	91.7	0.5
Ochsenkopf/			Kreuzeck b.		
Fichtelgebirge II	88.2	60	Garm. Partenk.	93.0	0.5
Gelbelsee/			Passau/Kühberg	93.0	0.5
Eichst. Alb.	88.5	12	Dillberg II	93.9	18
Kreuzberg/Rhön	89.4	60	Augsburg-Göggingen	94.1	0.2
Coburg	90.0	3	Ochsenkopf/		
Wendelstein II	90.0	100	Fichtelgebirge	96.0	60
Grünten/Allgäu	90.5	60	Büttelberg/Frankenh.	96.6	15

ANN.: "Hier ist der Bayerische Rundfunk".
INT.-SIG.:



V. by letter. Prgr. sched. on request.

RADIO BREMEN (Anstalt des öffentlichen Rechts).
ADDR.: Heinrich-Hertz-Str. 13, Bremen. – Cable: Radio.
L.P.: Dir. Broadc.: H. Kerneck. Dir. Prgr.: Dr. H. Hupka. Dir. Press Dept.: R. D. du Voitel. Chief Editor: H. Herbert Westermann. Dir. Tec.: A. Olshausen. Adm.: H. Oliver.
HOME SERVICE: First Prgr.:
Bremen 1358 kc/s 221 m 20 kW. – Bremerhafen 1079 kc/s 278 m 2 kW. Mo.-Fri. 05.30–09.30, 10.30–13.15, 15.00–23.00. Sat. 05.30–11.00, 13.15–23.00. Sun. 06.00–23.00.
Second Prgr., FM:
BremenII 89.4 mc/s 18 kW – Bremen I 98.9 mc/s 18 kW – Bremerhafen II 91.8 mc/s 0.5 kW.
Mo.-Fri. 18.45–21.45; Sat/Sun. 15.00–21.45. (Other times relay of m. w. prgr.).
N., Wrp., Commentary: (1st & 2nd prgr.): W.: 06.00, 07.00, 12.00, 16.00 (exc. Sat.), 18.30, 21.30. Sun. 07.00, 12.00, 18.30, 21.30.
ANN.: "Hier ist RadioBremen mit dem ersten bzw., zweiten Programm«
INT.-SIG.: Three notes: b/d/e. The first three letters of Bremen. The note "d" is the Italian "re" and stands for the letter "r" of Bremen. – V. by QSL-card.

HESSISCHER RUNDFUNK (Anstalt des öffentlichen Rechts).
ADDR.: Bertramstrasse 8, Frankfurt-am-Main.
L.P.: Pres. of the Board of Broadc.: Stadtrat a.D. Dr. R. Keller. Pres. of the Board of Adm.: Ministerialdir. i.R. Dr. K. Magnus. Intendant: E. Beckmann. Dir. Prgr.: Dr. H. J. Lange. Adm.: Diplom-Merchant H. Weber. Director of the Staff: W. Heckroth. Dir. Tec.: Dr. F. Miseré. Justitiar: W. Lehr. Listener Opinions: E. R. Richter. Dir. Politic and N.: Chief Editor O. Herr. Directors of TV: Play/Entertainment: H. O. Grünefeldt, News/Film: O. Meitzner. Dir. Education: Dr. G. Kadelbach. Dir. Culture: Dr. J. Petersen. Dir. Play: Dr. U. Lauterbach. Studio Wiesbaden: Ph. Körber. Studio Kassel: L. Sabel. Studio Bonn: Dr. C. Helfrich.

HOME SERVICE

PROGRAMME I
Frankfurt 593 kc/s 505.8 m 100 kW d D: 04.00–23.00 (Fri. Sat. 03.30)
Meissner 593 kc/s 505.8 m 20 kW d D: 04.00–23.00 (Sat. 24.00)
FM: Feldberg 88,53 mc/s 55 kW – Hardberg 93.3 mc/s 0,5 kW – Biedenkopf 95.37 mc/s 55 kW – Meissner 93.3 mc/s 2.5 kW – Würzberg 96.0 mc/s 0.5 kW.
All stations of 2nd Prgr. are also radiating the 1st Prgr. Mo.–Fri.: 04.30–06.05, 07.15–13.30, 15.00–17.15, 23.00–23.05. Sat.: 04.30–06.05, 07.15–10.30, 21.35–24.00. Sun.: 05.30–06.00, 22.00–23.05.
N. Wrp.: W. 04.30, Sun. 05.30, 06.00, 07.00, 11.50, (W.) 17.00, 18.42, 21.00, (W.) 23.00. Commentary: W. 18.54, 21.10 (Sat. 21.05 Woche in Bonn). Wrp.: After N. and every half hour from 06.00–07.00.
PROGRAMME II
Mo.–Fri.: 06.05–07.15, 13.30–15.00, 17.15–23.00. – Sat.: 06.05–07.15, 10.30–21.35. – Sun. 06.00–22.00.
Feldberg 92.13 mc/s 55 kW – Meissner 89.69 mc/s 90 kW – Hardberg 86.70 mc/s 0.5 kW – Würzberg 89.74 mc/s 0.5 kW – Biedenkopf 91.20 mc/s 55 kW
N., Wrp.: W. 04.30, Sun. 05.30, W. 06.00, W. 07.10, W. 11.50, Sun. 12.20, 17.00, 20.08, 23.00. – Wrp.: As for prgr. I.
ANN.: "Hier ist der Hessische Rundfunk" or "Hier ist Frankfurt".
INT.-SIG.: Electronic music. – V. by QSL-card.

NORDDEUTSCHER RUNDFUNK
(Anstalt des öffentlichen Rechts).
ADDR.: Hamburg 13, Rothenbaumchaussee 132/34. Cable: Nordfunk. Hannover: Hannover Rudolf-von Bennigsen Ufer 22. – Studios: Flensburg: Friedrich-Ebert-Str. 1. – Oldenburg: Oldenburg i O. Jägerstr. 30. – Berlin: Berlin-Grunewald, Hubertusallee 26.
L.P.: Intendant: Dr. W. Hilpert. – Stellvertr. Intendant und Programmdir.: Dr. H. Arnold. – Justitiar: J. Frels. – Finanz- und Wirtschaftsdir.: G. Schulz. – Technischer Dir.: Dr. H. Rindfleisch. Chef-red. u. Hauptabteilungsleiter Politik: Dr. H. F. G. Starke. Wort: F. Reinholz. Musik: R. Liebermann. Hörspiel: Dr. H. Schwitzke. – Verwaltungsleiter: C. Thielbeer. – Sendeleiter: J. Wilkens. – Leiter der Pressestelle: H. Ruppersberg. Nachrichtenabt.: H. Schmid. Reportageabt.: H. Rockmann. Wirtschaftsfunk: Dr. J. Dingwort-Nusseck. – Niederdeutschen Abt.: H. Landrock. – Schulfunk: Dr. H. Paustian. – Frauenfunk: Frau D. Kempa-Rohne. Aussenreferat (Auslandsabt.): W. D. Schultz. – Jugendfunk: W. Jäger. – Kinderfunk: Rose-Marie Schwerin. – Leiter Funkhaus Hannover: Dr. F. B. Zons. Studio Oldenburg: E. Imelmann. Flensburg: Th. V. Adolph. Berlin: T. Koch.

HOME SERVICES

FIRST PRGR.: 03.55–00.10 (Sat. 01.10). Nightprgr. on 971 kc/s: Thurs., Fri., Sun. 00.15–03.30. Sat. 01.15–04.30.

	kc/s	m	kW		kc/s	m	kW
Braunschweig-				Flensburg	1570	191	1.5
Salzgitter	520	577	2	Lingen	1570	191	2
Norden/				Hannover	1586	189	20
Osterloog	701	428	2	Kiel	1586	189	5
Göttingen	971	309	5	Oldenburg	1586	189	40
Hamburg	971	309	100	Osnabrück	1586	189	5

FM Stations (relay m.w. prgr.): 03.55–00.10 (Sat. 01.10).

	mc/s	kW		mc/s	kW		mc/s	kW
Oldenburg	87.6	100	Heide	90	15	Hamburg	92.1	5
Bungsberg	95.7	0.5	Hannover	97.8	1.25	Harz	99.9	100

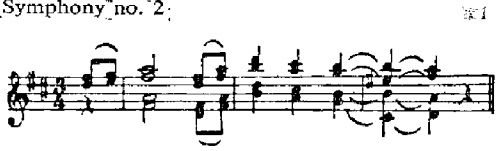
Short Waves: Norden/Osterloog 6075 kc/s 49.38 m 20 kW – 3970 kc/s 75.57 m 5 kW.
N. Wrp.: D.: 04.00, 05.00, 06.00, 07.00, 07.55, 12.00, 16.00, 18.00, 20.45, 23.00.
SECOND PRGR.: FM: W. 05.00–23.05. Sun. 06.30–23.05.

	mc/s	kW		mc/s	kW		mc/s	kW
Lübeck	87.9	0.5	Bungsberg	91.5	2.5	Osnabrück	93.6	3
Hamburg	88.5	50	Flensburg	93.0	15	Hannover	93.9	5
Göttingen	88.8	2	Osterloog	93.3	15	Kiel	94.1	2
Lingen	88.8	15	Dannenb.	93.3	2.5	Oldenburg	95.4	100
Braunsch.	88.8	0.5	Heide	93.6	15	Harz	96.0	100

N. Wrp.: D.: 06.30, 11.00, 17.00, 18.55, 21.30. – L.L.: French: Mo., Thurs. 16.45–17.00. English: Tues., Fri. 16.45–17.00.
THIRD PRGR.: FM: From 1/10-57–31/5-58: D. 19.00–approx. 21.30.

	mc/s	kW		mc/s	kW		mc/s	kW
Harz	88.2	30	Oldenburg	91.2	10	Hamburg	96.3	5
Kiel	90.6	2	Göttingen	92.4	0.5	Flensburg	97.8	0.5
Hannover	90.9	5						

ANN. 1st Prgr.: "Hier ist der Norddeutsche Rundfunk". – 2nd Prgr.: "Hier ist der Norddeutsche Rundfunk auf Ultrakurzwelle". – 3rd Prgr.: "Hier ist das Dritte Programm des Norddeutschen Rundfunk".
INT.-SIG.: 1st Prgr.: Motive from the first movement of Johs. Brahms' Symphony no. 2:



2nd Prgr.: "Einen verlegten Nonen-Akkord". – 3rd Prgr.: The tones "B-A-C-H" in Regerharmonization. – V. by QSL-card.

SAARLÄNDISCHER RUNDFUNK
(Gemeinnützige Anstalt dees öffentlichen Rechts).
ADDR.: Martin Lutherstrasse 12. Saarbrücken. – Cable: Radio Saarbrücken". – L.P.: Intendant Dr. F. Mai. Programmdir.: Dr. A. Schum. Verwaltungsdir.: W. Klein. Tech. Dir.: Dipl. Ing. F. Glasow. Sendeleiter:, Programmaustausch: Dr. H. Freiberger.

HOME SCE. in German:
1421 kc/s 211.1 m 20 kW Heusweiler.
FM.: 96.0 mc/s 10 kW Schaumberg – 98.9 mc/s 1.5 kW Schwarzenberg.
M.W. Prgr.: Mo., Tues., Thurs., Fri. 04.57–08.30, 10.00–23.05; Wed., Sat.: 04.57–08.30, 10.00–14.00, 16.00–23.05; Sun. 05.30–23.05. – **N., Wrp.:** 05.00 (W), 06.00, 07.00 (Sun), 07.30 (W), 11.00 (Sun), 11.45 (W), 13.30 (W), 17.00 (W), 18.50 (W), 19.00 (Sun), 21.00, 23.00
FM Prgr.: Rel. m. w. exc.: W. 16.58–21.00. Sun. 08.00–12.20, 16.00–21.00.
ANN.: "Hier ist der Saarländische Rundfunk auf Mittelwelle 1421 kHz, 211 m (bzw. Ultrakurzwelle 96.0 und 98.9 MHz)
INT.-SIG.: "Glück auf, der Steiger kommt".

V. by QSL-card and letter. – **F.PL.:** m.w. 100 kW, May 1958.

SAAR

EUROPE 1 (Comm.)
ADDR.: Télécompagnie 26 bis, rue François 1 er, Paris 8e. – **L.P.:** Dir. Gen.: Luis Merlin.
STATIONS: 182 kc/s, 1647 m, 400 kW: **D. Prgr.:** 05.30 (Sun. 06.00) –23.00. – **N.:** D. 05.30, 06.30 (Sun) 07.30, (W), 22.55. – **W.:** 10.00–11.00, 16.30–17.30 musical prgr's with ann. in F., E. & G.
V. by QSL-card – **PUB.:** Monthly Journal de Bord.

SÜDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts).
ADDR.: Neckarstrasse 145, Stuttgart-O. – **Cable:** Rundfunk Stuttgart.
L.P.: Vorsitzender des Verwaltungsrats: Generaldir. Dr. rer. nat. h.c. Dr. Ing. e.h. A. Möller. Intendant: Dr. F. Eberhard. Programm-dir.: Dr. P. Kehm. Chefredakteur: Dr. F. Malburg. Verwaltungsdir.: F. Müller. Tech. Dir.: Dr. H. Rupp. Pressechef: Dr. W. R. Deusch.

HOME SERVICE:

MEDIUM WAVE PRGR.: W. 03.56 (Mo. 03.53) – 23.15 (Tues.-Thurs. 03.15, Sat.24.00). Sun.04.57–23.10. (FM:IntervalMo.-Fri.13.20–14.00).

	kc/s	m	kW		kc/s	m	kW
Mühlacker	575	522	100	Heidenheim	1484	202	0.2
Heidelberg	998	301	8	Crailsheim	1484	202	0.2
Buchen	998	301	0.2	Schwäbish Hall	1484	202	0.2
Ulm	1169	257	3	Eberbach	1484	202	0.2
Heilbronn	1169	257	8	Mosbach	1484	202	0.2
Bad Mergenth.	1412	212	3	Bopfingen	1484	202	0.2
Wertheim	1484	202	0.2	Ellwangen	1484	202	0.2

Short Wave: 6030 kc/s 49.75 m 20 kW.

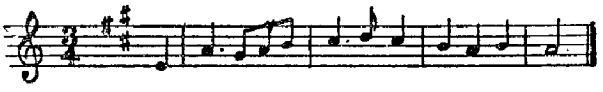
FM:	mc/s	kW		mc/s	kW
Ulm I	87.9	0.25	Heidelberg I	91.5	10
Waldenburg I	90.0	10	Aalen I	92.7	3
Geislingen I	91.2	0.25	Stuttgart I	94.5	10

N.: W.: 04.30, 05.00, 06.00, 07.00, 08.00, 11.30, 13.15, 17.00, 18.30, 21.00, 23.00. Sun.: 07.00, 11.30, 18.30, 21.00, 24.00. – **"Volksmusik":** W.: 04.36 (Mo., Wed.), 04.33 (Thurs.), 11.00 (Mo., Tues., Thurs.), 11.15 (Mo., Tues., Thurs.); 16.00, 16.30 or 16.40 (Sat.). Sun.: 05.00–06.00 or 06.10–07.00.
Esperanto: W.: 05.10–06.00, 17.05–17.45 (exc. Sat.). – **Polish:** First Fri. of the month: 16.00–16.15.

FM Prgr.: Mo.-Fri. 16.00–23.15. Sat. 14.00–24.00. Sun. 04.57–23.10. (W.: Relay m.w. prgr. until 16.00 exc. 07.20–08.00).

	mc/s	kW		mc/s	kW
Heidelberg II	87.9	10	Ulm	91.5	0.25
Geislingen II	87.6	0.25	Buchen	92.6	0.05
Mühlacker	88.8	1	Wertheim	92.7	0.05
Bad Mergentheim	88.9	0.05	Stuttgart II	93.2	0.25
Aalen II	89.1	3	Waldenburg II	93.6	10
Stuttgart II	90.9	10			

ANN.: "Süddeutscher Rundfunk". **INT.-SIG.:** The first notes of a Swabian folksong: "Jetzt ganz i an's Brünnele". – V. by QSL-card.



SÜDWESTFUNK (Anstalt des öffentlichen Rechts).
ADDR.: Anstalt des öffentlichen Rechts, Hans Bredowstrasse, Baden-Baden. Freiburg i Br.: Günterstal, Kyburg. Mainz: Deutschhausplatz 8. Tübingen: Matthias-Koch-Weg 7. Kaiserslautern: Kanalstr 4. Koblenz: Januarius-Zick Str. 8. Trier: Zeughausstr. 27. – **Cable:** Südwestfunk.
L.P.: Vorsitzender des Rundfunkrates: Prof. Dr. K. Holzamer, Mainz. Vorsitzender des Verwaltungsrates: Dr. J. Knecht, Freiburg i. Br. Intendant: Senator h.c. Prof. Fr. Bischoff. Programmdir. u. stellvertretender Intendant: L. Hartmann. Tech. Dir.: E. Becker. Verwaltungsdir. A. Manke. Justitiar: Prof. Dr. C. Haensel. Sendeleiter: M. Häberlen. Presse u. Information: Dr. E. Laurenze. Leiter Freiburg Studio: E. Brugger. Leiter Mainz Studio: Dr. P. Felberg. Leiter Tübingen Studio: A. G. Richter.

HOME SERVICE:

PRGR. I: Sun.: 05.50–24.00 (Rheinsender only to 03.30). W.: 04.45–23.10 (Wed. 24.00, Sat. 01.00).

M. Waves:	kc/s	m	kW		kc/s	m	kW
Baden-Baden	827	363	1.5	Trier	827	363	1
Freiburg	827	363	40	Rheinsender	1016	295	70
Kaiserslautern	827	363	3	Bad Dürrheim	1538	195	20
Koblenz	827	363	0.5	Ravensburg	1538	195	40
Sigmaringen	827	363	1	Reutlingen	1538	195	10

Short Wave: Bad Dürrheim 7265 kc/s 41.29 m 1.5 kW.

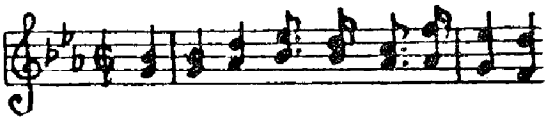
FM:	mc/s	kW		mc/s	kW
Baden-Baden I	92.5	0.25	Linz I	97.8	3
Betzdf. I/Westerw.	93.0	0.25	Potzberg I	95.4	3
Blauen I	95.7	1	Raichberg I	91.8	3
Feldberg	90.0	3	Witthoh I	87.6	1.5
Haardtkopf I	93.6	5	Wolfsheim I	96.9	3
Hochrheinsdr. I	89.1	0.1	Hornisgrinde I	93.0	10
Koblenz I	94.5	1			

N. Wrp.: 04.50(W), 06.00, 07.00, 08.30(W), 11.45, 21.00, 23.00. – **"Tribüne der Zeit":** D. 18.30. – **"Deutsche Pressestimmen":** W. 12.00.

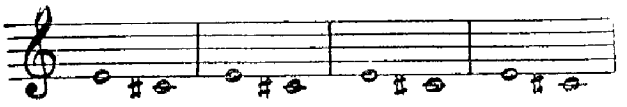
PRGR. II: Sun. 05.50–24.00, W.: 04.45–23.10 (Wed. 24.00, Sat. 01.00).

FM:	mc/s	kW		mc/s	kW
Baden-Baden 2	89.9	0.25	Mainz	93.3	0.05
Betzdorf 2	89.4	0.25	Linz 2	96.0	3
Blauen 2	87.9	3	Potzberg 2	91.2	3
Eifel	88.2	2	Raichberg 2	88.2	3
Feldberg	93.6	3	Waldburg	92.4	3
Hardtkopf 2	90.0	5	Weinbiet	90.3	6
Hochrheinsdr. 2	92.7	0.1	Witthoh 2	91.2	1.5
Hornisgrinde	89.4	10	Wolfsheim 2	99.3	3
Koblenz 2	90.9	1			

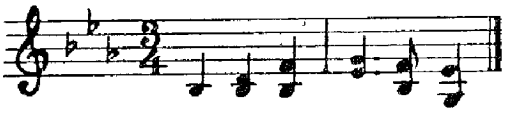
N. Wrp.: W.: 04.50, 06.00, 07.00, 11.00, 19.00, 21.00, 23.00. Sun.: 06.00, 09.00, 19.00, 21.00, 23.00. **French by R.:** Mo., Wed., Thurs., Sat. 09.00.
ANN.: "Hier ist der Südwestfunk. Über Mittelwelle und UKWI hören Sie.. Über UKWII hören Sie.." or "Hier ist der Südwestfunk Studio Mainz bzw. Freiburg bzw. Tübingen. Über Mittelwelle u. UKW1 bzw. UKW2 hören Sie...". – **INT.-SIG.: Baden-Baden:** Motif from Mozart's "Zauberflöte": "Bald prangt den Morgen zu verkünden" (Piano).



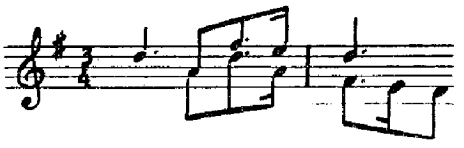
Studio Freiburg: Glockenmotiv des Freiburger Münsters: "Petrus und Maria".



Studio Tübingen: "Droben im Oberland" (2horns).



Landesstudio Rheinland-Pfalz (Mainz): Alteration of the rhytm of the first movements in the song: "Dort wo der Rhein mit seinen Wellen..." (Celesta). – V. by letter.



WESTDEUTSCHER RUNDFUNK (W.D.R.) (Anstalt des öffentlichen Rechts).
ADDR.: Wallrafplatz 5, Köln. – **L.P.:** Intendant: H. Hartmann. Justitiar u. Finanzdir.: Dr. H. Brack. Sendeleiter: H. H. Fischer. Verwaltungsleiter: H. Sand. Tech. Dir.: K. Schulz. Pressechef: J. Rick. Aussenreferat: Dr. F. Hömke.

HOME SCE.:
1.st Progr.: 03.55–00.10 (Sat. 01.10). Night prgr. 971 kc/s. Thurs., Fri., Sun. 00.15–03.30, Sat. 01.15–04.30 (**common prgr. with NDR**).

Medium Waves:	kc/s	m	kW		kc/s	m	kW
Aachen/Stolb.	701	428	2	Münster	1502	199	0.8
Herford	701	428	2	Bonn	1586	189	5
Siegen	755	397	2	Kleve	1586	189	3
Langenberg	971	309	100				

FM:	mc/s	kW		mc/s	kW
Langenberg	87.9	100	Nordhelle	98.7	15
Köln	93.4	0.5	Teutoburger-Wald	99.6	100
Aachen	98.4	5			

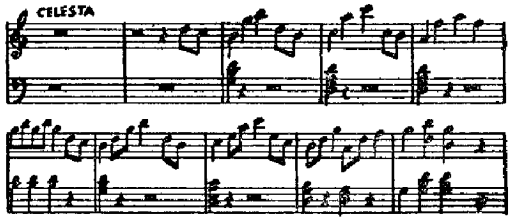
N.: W.: 04.00, 05.00, 06.00, 07.00, 07.55,12.00, 16.00, 18.00, 20.45, 23.00. – Sun. 06.00, 08.00, 12.00, 18.00, 20.45, 23.00.
L.L.:English: 08.35 (Thurs.), 09.00 (Fri.), 09.55 (Tues.), 10.05 (Wed,). French: 09.15 (Thurs.), 10.05 (Fri.),
2.nd Progr.: Mo.–Sat.: 05.45–13.00, 15.00–23.00. Sun. 06 00–23.00.

FM:	mc/s	kW		mc/s	kW
Bonn	89.7	0.5	Münster	90.9	5
Köln	89.75	0.5	Kleve	91.5	0.25
Monschau	90.00	0.05	Eifel (SWF)	91.8	6
Aachen	90.05	5	Siegen	91.8	0.5
Langenberg	90.35	50	Nordhelle	96.6	15
Teutob. Wald	90.65	100			

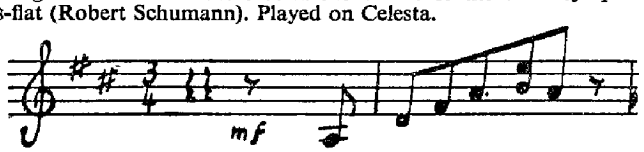
N.: W.: 06.30, 07.30, 11.30, 16.45, 19.00, 22.00. – Sun.: 07.30, 11.35, 19.00, 22.00.
3.rd Progr.: Sat. 19.00–21.00.

FM:	mc/s	kW		mc/s	kW
Nordhelle	93.9	15	Münster	94.5	5
Teutob. Wald	94.2	100	Langenberg	95.7	100

ANN.: 1st Prgr.: "Westdeutscher Rundfunk". – 2nd Prgr.: "Westdeutscher Rundfunk, Ultrakurzwellenprogramm", "Westdeutscher Rundfunk, zweites Ultrakurzwellenprogramm".
INT.-SIG.: 1. Prgr.: Motif from "In jenen frohen Stunden" (L. von Beethoven). Electronic instrument.



2. Prgr.: Motif from the second movement of the third symphony Es-flat (Robert Schumann). Played on Celesta.



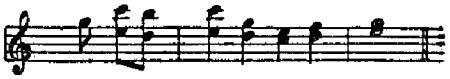
V. by QSL-card. – PUB.: Prgr.-booklet (yearly); free on request.

BERLIN-WEST

RIAS-Berlin (United States Information Agency)
ADDR.: Berlin-Schöneberg, Kufsteinerstrasse 69. Cable: RIAS-Berlin.
L.P.: Direction: Dir.: Gordon A. Ewing. – German Direction: Dir. Prgr.: Eberhard Schütz. Tec. Dir.: Albert Pösniker. Dir. Public Relations: D. Klaus Brock.

STATIONS:	kc/s	m	kw	
München	173	1735	1000	D. 04.30–07.30, 10.45–12.00
Berlin	683	439	100	D. 24 h. exc. Sat. 01.05–04.00
Berlin[2])	737	407	20	on 737 kc/s. From 16.45 (Sat.
Hof	737	407	40	17.00, Sun. 13.00)–23.00
Berlin[1])	989	303	300/200	RIAS II on 737/6005 kc/s
Berlin[2])	6005	49.94	20	(Sun. until 17.00 also 683 kc/s)
Berlin FM[2])	88.8	mc/s	10	
Berlin FM [1])	92.1	mc/s	0.25	

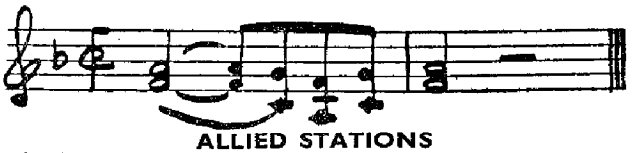
[1]) RIAS I. [2]) RIAS 2.
"Volks-musik": Sun. 06.00, Sat. 14.00, Mo. 20.30, (RIAS I), Fri. 18.00 (RIAS II). – Mbg. ("Voice of America"): Sun. 15.00 (RIAS I), 21.00 (RIAS II).
ANN.: "Hier ist RIAS-Berlin". – INT.-SIG.:From a Trio Sonate by Karl Fasch.



V. by letter – Pub.: "RIAS sendet für Sie".

SENDER FREIES BERLIN (Anstalt des öffentlichen Rechts)
ADDR.: Heidelberger Platz 3, Berlin-Wilmerdorf (West-Berlin). – Cable: Sender Freies Berlin.
L.P.: Intendant: Walter Geerdes. Dir. Prgr.: Alfred Braun. Chief Editor: Rolf Menzel. Dir. Tec.: Udo Blässer. Press: Wilfried Zierke.

HOME SERVICE:
Berlin 1st Prgr 566 kc/s 530 20 kW
FM 90.0 mc/s 10 kW
Berlin 2nd Prgr. 1484 kc/s 202 m 5 kW
FM 93.6 mc/s 10 kW
1st Prgr.: Mo. 03.55–03.30. Tues.–Fri.: 03.55–24.00; Sat.: 03.55–04.30; Sun. 04.58–04.30.
"Volksmusik": Sat. 17.40–19.00. – N. Wrp.: 04.00 (W), 05.00 (W), 06.00, 07.00, 08.00 12.00, 16.00 (Mo.–Fri.), 18.45, 21.00, 23.00. – "Hier spricht Berlin," Mo.–Fri.: 18.30–18.45. – "Musik bis zum frühen Morgen.": Mo.: 00.15–03.30.–
2. Prgr.: Mo..–Fri: 06.28–23.30. Sun., Sat.: 06.58–24.00 – "Volksmusik": Sun.: 13.10–13.40. – N., Wrp.: W: 06.30, 07.30, 11.30, 16.00 (exc. Sat.), 18.45, 22.00, 23.00. Sun.: 07.00, 11.35, 18.45, 22.00, 23.00.
ANN.: "Hier ist der Sender Freies Berlin.. mit dem 1sten Prgr. ... 2nd Prgr." – INT-SIG.: Beethoven's Egmont-Fanfare. – Ver. by QSL-card.



ALLIED STATIONS

AMERICAN FORCES NETWORK (Unitet States Army).
The American Forces Network operates solely to provide American Forces in Europa with information, education and entertainment by means of radio broadcasting.
ADDR.: United States Army Element, American Forces Network, Europe APO 757, New York, N.Y. USA. – L.P.: Chief, American Forces Network: Lt. Colonel F. K. Tourtellotte. Dep. Chief: Major G. C. Garrett. Tec. Supervisor: H. M. Flora. Prgr. Supervisor: D. J. Brewer. Man. Editor N: W. W. Bogie.

STATIONS:	kc/s	m	kW			kc/s	m	kW	
Munich	548	547	100	A	Hersfeld	1142	263	0,25	B
Nurnberg	611	491	10	A	Schweinfurt	1142	263	0.25	B
Grafenwohr	611	491	2	B	Wurzburg	1142	263	0.25	B
Kaiserslautern	665	451	10	A	Bamberg	1304	230	0.25	B
Frankfurt	872	344	150	A	Berchtesgaden	1304	230	0.25	B
Berlin	935	321	5	A	Heidelberg	1304	230	1	B
Ansbach	1034	290	0.25	B	Regensburg	1304	230	0.25	B
Bad Kissingen	1034	290	0.25	B	Fulda	1304	230	0.25	B
Kassel	1034	290	0.25	B	Bitburg	1394	215	0.25	B
Stuttgart	1106	271	100	A	Garmisch	1502	199.7	0.25	B
Bremerhaven	1142	263	1	A	Giessen	1502	199.7	0.25	B
Fussen	1142	263	0.25	B	Straubing	1502	199.7	0.25	B

FM: Heidelberg FM 93.9 mc/s 3.18 m 0.25 kW B A=Studio.
Frankfurt FM 94.9 mc/s 3.16 m 10 kW B B=Relay.
Short Wave: Frankfurt 5470 kc/s 54.84 m 0.25 kW B
D.PRGR.: A. 05.00 (Sun. 06.00)–00.05. – "This World this Week": Sun. 15.00. – "Request Show": W. 05.30–06.00, 10.30–11.00, 22.05–24.00. – N.: 05.00(W), 06.00, 07.00(W), 09.00, 11.30, 14.00(Mo.–Fri.), 17.15(W), 19.00, 20.00(W), 21.30, 23.00(W), 24.00. – Sp. Prgr. on 1106 kc/s (Stuttgart): Thurs. 17.00–17.15. – B: 14.00–00.05.
ANN.: "This is AFN, the American Forces Network" announced at least every half-hour.
INT.-SIG.: Every h. on the h. AFN announces the time and the sixth and final pip is exactly on the h. as announced. – V. by letter.

RADIO LIBERATION (Pr. – Former Citizens of the U.S.S.R.).
Radio Liberation speaks to the peoples of the U.S.S.R. and the Soviet Armed Forces as the free voice of their fellow countrymen abroad.
ADDR.: Radio Liberation, Lilienthalstrasse 2, Munich 19. – Cable: Amcomlib – or American Committee for Liberation, 6 East 45th Street, New York 17, New York, U.S.A. – L.P.: Headquarters, New York: Pres. of the American Committee: H. W. Sargeant. Dir. R.L. Netw. Division: S. Y. McGiffert. – Munich: Dep. to Pres. Europe: R. F. Kelley. Dir. Prgr. Division: R. Bertrandias. Ass. Dir. Prgr. Division: L. Rubinstein. Acting Chief-Eng., Europe: J. J. Newman.
STATION Lampertheim: 4 tr. 50 kW each, 5 tr. 20 kW each

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3990	75.18	7245	41.40	9765	30.72	15395	19.49
6055	49.55	7275	41.23	11765	25.50	15415	19.46
6175	48.58	9565	31.36	11780	25.47	15430	19.45
6185	48.50	9585	31.30	11825	25.38	17710	16.94
6190	48.47	9595	31.26	11920	25.17	17730	16.92
7130	42.08	9665	31.04	11925	25.16	17745	16.91
7170	41.84	9680	30.99	11935	25.13	17755	16.90
7205	41.64	9705	30.91	11965	25.06	17765	16.89
7225	41.52	9730	30.83	15255	19.65	17865	16.80

D.PRGR.: 00.00–24.00. Prgr. are prepared in Munich
To Berlin 75, 49, 41, 31, 25 m.b.
To N.&S. Russia, Byelo-Russia, Ukraine 75, 49, 41, 31, 25, 19, 16 m.b.
To Tatar-Bashkir, Caucasus, Turkestan 41, 31, 25, 19, 16 m.b.
ANN.: Azerbaijanian: Danyshyr Azatlyk Radiosu. – Armenian: Kjosum E "Azatagrutyun" Radiokaynea. – Byelorussian: Gavoryc Radyio Vysvalen 'ne. – Georgian: Laparakobs Radiosadguri Gonthavisupkhaleba. – N. Caucasus: Govorit Radiostantsiya Osvobozhdeniye

(Russian) plus anns. in six local languages. – **Russian:** Govorit Radiostantsiya Osvobozhdeniye. – **Tatar-Bashkir:** Monda "Azatlyk" Radiostansyese Syuili. – **Turkestan:** Soezlayatgan "Azalyk" Radiosy (Uzbek) Gepleyar "Azatlyk" Radiosy (Turkmen) plus announcements in two other local languages. – **Ukrainian:** Govorit Radio Vysvolennia.

VOICE OF AMERICA RADIO STATION IN GERMANY

ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Long Wave: Munich-C 173 kc/s 1734 m 1000 kW 04.30–07.30, 10.45–12.00, 15.30–00.00.
Medium Wave: Munich-A 1196 kc/s 251 m 150 kW 16.30–23.00
Short Wave: Munich 8/100 kW 14.00–23.00.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6080	49.34	7155	41.93	11840	25.34	15270	19.65
6140	48.86	7250	41.38	11890	25.23	15370	19.52
6170	48.62	9545	31.43	15220	19.71	15410	19.47
7115	42.16	9620	31.19				

DAILY PRGR.:
Long Wave:

04.30–07.30 RIAS	18.00–18.30 Russian	20.15–20.30 Slovene
10.45–12.00 RIAS	18.30–19.00 Hungar.	20.30–21.00 Polish
15.30–17.15 Russian	19.00–19.30 Russian	21.00–22.30 Russian
17.15–17.30 German	19.30–20.00 Polish	22.30–23.00 English
17.30–18.00 Polish	20.00–20.15 Music	23.00–00.00 Mus. USA

Medium Wave:

16.30–17.15 Russian	19.00–19.30 Russian	21.15–21.30 Slovene
17.15–17.30 German	19.30–20.00 Polish	21.30–22.00 Polish
17.30–18.00 Latvian	20.00–20.30 Estonian	22.00–22.30 Russian
18.00–18.30 Lithuan.	20.30–21.00 Latvian	22.30–23.00 Polish
18.30–19.00 Estonian	21.00–21.15 Serb	

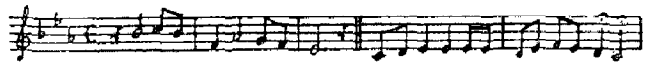
Short Wave: See USA. – **V.** by QSL-card. No return postage required.
ANN.: "This is the Voice of America Radio Station in Munich".

RADIO FREE EUROPE (Pr., non-comm.); by American contribution.

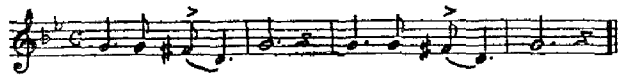
ADDR.: Radio Free Europe, a Division of the Free Europe Committee Inc., 2 Park Avenue, New York 16, N.Y., U.S.A. – **European Addr.:** *Englischer Garten 1, München, Germany.* – *Cable: Raduropa.* – **L.P.:** Pres., Free Europe Committee Inc. (New York): Lieut. Gen. W.D.Crittenberger, USA (Retired). – Dir., Radio Free Europe: W. J.C.Egan. *Dir. of Engineering: C.M.Harris. Deputy European Dir.:* E.Hazelhoff. European Dir. of Engineering: G.L.Graveson.
Stations:
Medium Wave: Holzkirchen 719 kc/s 417.2 m 135 kW.
Short Wave: Eight s.w. in Biblis, Germany (with output powers of 10, 20, 50 kW) and 13 s.w. tr. in Portugal (outputs 50, 100 kW).

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3960	75.75	7285	41.18	11815	25.39	15365	19.53
5960	50.37	7295	41.12	11830	25.36	15405	19.47
5970	50.25	9505	31.56	11855	25.31	15420	19.45
5985	50.12	9595	31.27	11885	25.24	17725	16.93
6015	49.88	9605	31.23	11895	25.22	17735	16.92
6020	49.83	9655	31.07	11915	25.17	17770	16.88
6095	49.22	9695	30.95	11940	25.13	17805	16.85
6130	48.94	9712	30.89	15115	19.85	17835	16.82
7105	42.22	9715	30.88	15135	19.81	17840	16.82
7140	42.02	9717.5	30.87	15145	19.81	17855	16.80
7145	41.99	9725	30.85	15170	19.78	17875	16.79
7155	41.93	9750	30.77	15185	19.76	17885	16.78
7165	41.87	11725	25.59	15195	19.74	21485	13.97
7175	41.80	11735	25.56	15215	19.71	21600	13.89
7180	41.78	11745	22.54	15255	19.66	21620	13.87
7192	41.72	11755	25.52	15265	19.66	21665	13.84
7235	41.47	11760	25.51	15295	19.61	21720	13.81
7245	41.41	11775	25.48	15355	19.53	21745	13.80

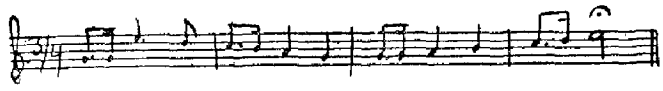
Most RFE freq. are cleared for use both in Germany and in Portugal and the selection of transmission location is a function of propagation conditions throughout the year.
D.PRGR'S to Czechoslovakia, Poland, Hungary, Rumania, Bulgaria.
Czech/Slovak Sce.: 03.57 (Sun. 05.57)–22.00, 22.40–23.00 in 75, 49, 41, 31, 25, 19, 16, 13 m.b. – N.: every h. on the h.
Hungarian Sce.: 04.57 (Sun. 06.57)–22.00, 22.20–22.40 in 49, 41, 31, 25, 19, 16, 13 m.b.
Polish Sce.: 03.55 (Sun. 05.50)–22.20 on 417 m and in 49, 41, 31, 25, 19, 16, 13 m.b. – N.: every h. on the h.
Rumanian Sce.: 03.45–04.45 (Sun. 06.00–07.00), 16.00–17.00, 18.00–20.00 in 49, 41, 31, 25, 19, 16, 13 m.b.
Bulgarian Sce.: 03.45–04.45 (Sun. 06.00–07.00), 17.00–18.00, 20.00–22.00 in 49, 41, 31, 25, 19, 16, 13 m.b.
ANN.: Czechoslovak: Sign on: "Hlási se vám hlas svobodného Ceskoslovenska – rozhlasová stanice Svobodná Evropa" ("This is the Voice of Free Czechoslovakia – Radio Free Europe calling"). Sign off: "Hlas svobodného Ceskoslovenska – rozhlasová stanice Svobodná Evropa konci nyni vysiláni. At'zije svobodné Ceskoslovensko! ("The Voice of Free Czechoslovakia – Radio Free Europe now concludes its broadcasts. Long live Free Czechoslovakia!"). – **Hungarian:** "Itt a Szabad Europa Radioja, a Szabad. Magyarország Hangja" ("This is Radio Free Europe, The Voice of Free Hungary"). – **Polish:** "Mowi Radio Wolna Europa – Glos Wolnej Polski" ("This is Radio Free Europe, the Voice of Free Poland"). – **Rumanian:** "Aici e Radio Europa Libera, Vocea Romaniei Libere" ("This is Radio Free Europe, the Voice of Free Rumania"). – **Bulgarian:** Sign on: "Govori glassât na svobodna Bâlgaria" ("You are listening to the Voice of Free Bulgaria"). – Sign off: "Tuk e Radio Svobodna Evropa, glassât na svobodna Bâlgaria" ("This is Radio Free Europe, the Voice of Free Bulgaria").
INT.-SIG.: Czecho/Slovak: Czech and Slovak National Anthems (Celesta)



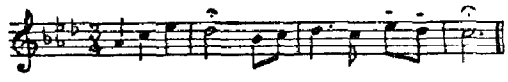
Hungarian: Old Hungarian folksong: "From the Tisza, past the Danube":



Polish: Polish patriotic song: "The day will come" (Brass instrument):



Rumanian: Part of "Rumanian Rhapsody" by Enescu (Orchestra):



Bulgarian: Part of Bulgarian National Anthem (Celesta):

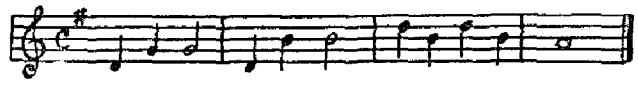
V. by QSL-card or letter from either Munich or New York.

BRITISH FORCES NETWORK (Military).

B.F.N.'s function is to entertain and provide a reliable news service for members of H.M. Forces and their dependants stationed in N.W. Germany.
ADDR.: B.F.N., Cologne, British Forces Post Office 19. – **L.P.St. Dir.:** D.G. Scuse, Ass. St. Dir : I. J. Woolf. Dir. Tec.: A. L. Langford.
STATIONS: *10 kW. FM.*

	mc/s		mc/s		mc/s		mc/s
Düsseldorf	89.1	Bonn	91.4	Hamburg	98.4	Berlin	99.0
Verden	90.3	Herford	93.0	Hannover	99.0	Drachenb.	99.3

D. Prgr. in English: 05.30 (Sun. 07.00) –22.30 (Sat. 24.00).
N., Wrp. form B.B.C. 07.00, 08.00, 12.00, 18.00, 21.00, – **"N. of Germany":** W. 06.50, 12.10. – **Mbg.:** Two-way exchange with the **B.B.C. Light Prgr.:** Sun, 12.00. – **18.00–Club:** Mo–Fri: 17.00.
ANN.: "This is the British Forces Network in Germany", – **INT.-SIG.** British Army Bugle Call "Fall-in" played on Celeste.



V. by letter. Local Reception Reports only are required. – **PUB.** BFN bulletin.

GERMAN DEMOCRATIC REPUBLIC

STAATLICHES RUNDFUNKKOMITEE (Go.).

ADDR.: Staatliches Rundfunkkomitee, Berlin-Oberschöneweide, Nalepastrasse 18–50. Cable: Funkkomitee, Berlin.
L.P.: Generaldir.: Prof., Dr. H. Ley. Stellvertr. Generaldir.: W Perk. Dir. für Auslandverbindungen: M. Müller.
HOME SERVICES:

Deutschlandsender kc/s	m	kW	Berliner Rundfunk	kc/s	m	kW
185	1621.6	100	Karl-Marx-Stadt	602	498	20
782	383.6	300	Berlin	611	491	220
881	340.5	100	Reichenbach	912	328.9	20
6115	49.06	5	Plauen	1079	278.1	20
7150	41.96	5	Bernburg	1196	250.8	20

FM: Berlin 92.5 mc/s – Brocken**FM:** Leipzig 88.0 mc/s – Dresden 94.6 mc/s – Schwerin 89.2 mc/s –89.8 mc/s – Berlin 98.2 mc/s. Inselsberg 94.0 mc/s – Sonneberg 97.6 mc/s.

Radio D.D.R.

	kc/s	m	kW
Cottbus	520	576.9	5
Berlin	529	567.1	200
Potsdam	557	538.6	20
Leipzig	575	521.7	300
Greifswald	656	457.3	5
Erfurt	692	433.8	20
Schwerin	728	412.1	220
Dresden	1043	287.5	240
Suhl	1052	285.1	20
Leipzig	9730	30.83	12

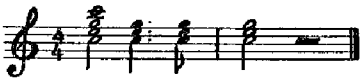
FM: Jessen 91.0 mc/s – Marlow 91.0 mc/s – Görlitz 95.2 mc/s – Rheinsberg 95.2 mc/s – Burg 97.0 mc/s.

DEUTSCHLANDSENDER: Sun. 03.00–03.00. W.: 03.00–07.15, 07.15–09.00 (exc. 782, 6115, 7150 kc), 09.10–11.00 (exc. 185, 881 kc), 11.00–24.00 (Sat. 02.00), 00.00–03.00 (728, 782 kc/s only).
Wrp. for "Ostsee and Nordseefischerei" on 185 kc. Sun. 16.50. W. 18.00.
N., Wrp.: 04.00, 04.30 (W), 05.00, 05.30(W), 06.00, 07.00, 09.00, 11.00 (W)[1]), 12.00, 14.00(W)[1])[2]) 16.00, 18.30, 21.00, 23.00, 01.00 (exc. Sat.)[1]), 03.00(W)[1]) – **Commentary:** W. 18.42, 23.07. Sun. 11.00. – **Mbg.:** Sun. 16.05 (fortnightly) – **"Volksmusik"** Wed. 09.10, Sun. 06.20.
[1]) no Wrp. [2]) exc. Sat.

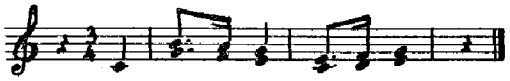
BERLINER RUNDFUNK: Sun. 03.30–24.00. W. 03.30–07.30, 09.00–24.00 (Sat. 01.00).
N. and Weatherrep.: 04.30, 05.30, 06.30, 09.30, 12.30, 14.30 (Sat.) 18.30, 20.30, 22.30, 23.30. – **Commentary:** W. 18.42, 23.35. Sun. 11.30. – **"Volksmusik":** Sun. 07.00, Tues. 17 30, Fri. 16.35. – **Prgr. in Sorbian:** On 912 kc/s Sun. 11.40–12.30. Tues.-Fri. 17.30–18.00.

RADIO D.D.R.: Sun. 03.30–24.00. W. 03.30–09.10 or 09.40, 10.50–24.00, (Sat. 02.00)–**Wrp. for "Küsten und Ostseefischerei"** on 728, 656 kc/s: W. 10.50, D. 23.50.
N., Wrp.: 04.00, 05.00, 06.00, 07.00, 08.00 (Sun.), 09.00 (W), 10.00 (Sun.), 11.00(W), 13.00, 18.00, 21.00, 23.00, 24.00 (Sat.) – **Commentary:** W. 18.12. Sun. 12.00. – **Volksmusik:** Sun. 10.10. Wed. 17.30, Fri. 11.10, Sat. 17.10. – **Russian by R.:** Mo. 13.10 (fortnightly). – **Prgr. in Sorbian:** Sun. 13.10–13.30 on 520 kc/s.

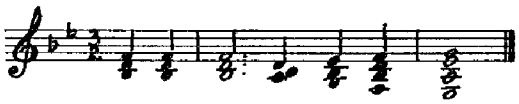
FOREIGN SERVICE on 7150, 6115 9730, kc/s.
English (W): 20.30, 22.30. – **French (W):** 20.00, 22.00. – **Danish (W):** 19.30, 21.30. – **Swedish:** 19.05, 21.00, 23.00. – **Arabic:** D. 16.30–17.00.
ANN.: Home Service: "Hier ist der Deutschlandsender (Berliner Rundfunk – Radio D.D.R.)". – **Foreign Service: English:** "Democratic Germany speaking to you". – **French:** "L'Allemagne Démocratique vous parle." – **Swedish:** Tyska demokratiska Republikens radio sänder för Sverige." – **Danish:** "Tysklands demokratiske radio sender til Danm.".
INT.-SIG.: Deutschlandsender: From "Die Meistersinger von Nürnberg.":



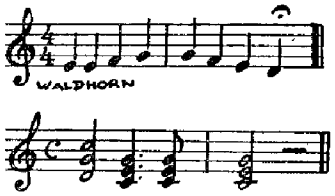
Berliner Rundfunk: From Op. "Regina" by Albert Lortzing.:



Radio D.D.R.: Melody: "Wann wir schreiten Seit an Seit "(Mit uns zieht die neue Zeit").:



Foreign Service: Theme from Ludwig van Beethovens 9. symphony ("Freude, schöne Götterfunken"):



V. by QSL-card. – **PUB.:** "Unser Rundfunk", weekly.

★ GREAT BRITAIN ★

L.T.: GMT + 1 h. (Su.: GMT + 1 h) – **L.:** English. – **Rcvrs.:** 7.154.024.

THE BRITISH BROADCASTING CORPORATION
(The BBC operates under a Royal Charter and under license and agreement with Her Majesty's Postmaster General).
Weekly Pub.: "Radio Times", "The Listener", "Hier spricht London", "London calling Europe", **Annuals:** "The BBC Handbook", "Radio Times Annual".

ADDR.: British Broadcasting Corp., Broadcasting House, London W 1.
L.P.: Dir. Gen. Sir Ian Jacob, K.B.E., C.B. Dir. of Sound Broadc.: R.E.L. Wellington, C.B.E. Dir. of Television Broadc.: G.C. Beadle, C.B.E. Dir. of External Broadc.: J. Beresford Clark, C.B.E. Dir. of Engineering: Sir Harold Bishop, C.B.E. Dir. Adm.: Hugh Carleton-Greene, O.B.E. Chief Asst. to Dir. Gen.: H. J. G. Grisewood. Dep. Dir. Television Broadc.: C. McGivern, C.B.E. Asst. Dir., Sound Broadc. R. D'A. Marriott, D.F.C. Asst. Dir. of External Broadc. E. Tangye Lean, C.B.E. Controller, Prgr. Organisation (Sound): M. F. Standing. Controller, Prgr. Planning (Sound): H. Rooney Pelletier. Controller Third Prgr.: John Morris, C. B. E. Controller Prgr., Television: K. Adam. Controller, Overseas Sces.: D. Stephenson, O.B.E. Controller, European Sces: James Monahan. Controller Music: R. J. F. Howgill, C.B.E. Editor, News: Tahu Hole, C.B.E. Controller, Talks (Sound): J. D. F. Green. Chief Engineer: R. T. B. Wynn, C.B.E. Controller Finance: T. Lochhead, C.B.E. Controller Staff Adm.: J. H. Arkell. Controller, Scotland: A. Stewart, C.B.E. Controller, Wales: A. B. Oldfield-Davies, C.B.E. Controller, No. Ireland: R. McCall, C.M.G. Controller, W. Region: F. G. Gillard, O.B.E. Controller, Midland Region: H. J. Dunkerley, C.B.E. Controller, North Region: T. W. Chalmers, C.B.E.

HOME SCE.: W. 06.25–23.13 approx. Sun. 07.55–23.08 approx.

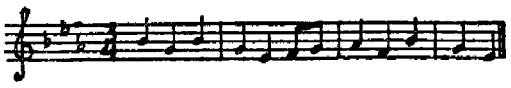
		kc/s	m	kW
Cromer	Northern	692	434	2
Moorside Edge	–	692	434	150
Whitehaven	–	692	434	2
Barrow	–	1484	202	2
Westerglen	Scottish	809	371	100
Burghead	–	–	–	100
Redmoss	–	–	–	5
Dumfries	–	–	–	2
Washford	Welsh	881	341	100
Penmon	–	–	–	8
Towyn	–	–	–	5
Wrexham	–	–	–	2
Brookmans Park	London	908	330	140
Ramsgate	–	1484	202	2
Start Point	West	1052	285	120
Barnstaple	–	–	–	2
Clevedon	–	1457	206	20
Bartley	–	–	–	10
Brighton	–	–	–	2
Folkestone	–	–	–	1
Bexhill	–	–	–	2
Redruth	–	1457	206	2
Droitwich	Midland	1088	276	150
Postwick	–	–	–	7.5
Lisnagarvey	N. Ireland	1151	261	100
Londonderry	or Northern	–	–	0.25
Stagshaw	–	–	–	100
Scarborough	–	–	–	2

N.: 06.30 (W), 07.00 (W), 07.30 (W), 08.00, 08.30 (W), 09.00, 10.30 (W), 11.30 (Sat.), 13.00, 18.00, 21.00, 23.00.
Greenwich T. S.: 07.00 (W), 08.00, 09.00, 11.00 (W), 13.00, 18.00, 23.00.

LIGHT PROGRAMME: D.: 06.45–24.00.

	kc/s	m	kW		kc/s	m	kW
Droitwich	200	1500	400	Moorside Edge	1214	247	58
Brookm. Park	1214	247	60	Plymouth	–	–	0.3
Burghead	–	–	20	Redmoss	–	–	2
Lisnagarvey	–	–	10	Redruth	–	–	2
Londonderry	–	–	0.25	Newcastle	–	–	2
				Westerglen	–	–	50

N,: D.: 07.30 (W), 08.30 (W), 09.30, 10.30 (W), 11.30 (W), 12.30 (W), 13.30*, 14.30*, 15.30**, 16.30*, 17.30*, 18.30*, 19.30, 20.30 (W), 21.30 (W), 22.30, 23.30 (W).
Greenwich T.-Sig.: 06.45, 09.00, (W), 10.00 (W), 11.00 (W), 12.00 (exc. Sat.), 14.00 (W), 19.00 (W), 19.30 (Sun.), 22.30. – *) Mo.-Fri. **) relayed by Home Sce. Mo.-Fri.
INT.-SIG.: Oranges and Lemons.[1])



There are four versions, one played on the novachord and three played on the novachord celeste; the last three differ in that they are of varying duration. – [1]) Harp arpeggios – a choice of six harp interludes.

THIRD PRGR.: W. 22.00–23.00 (approx.) Sun. 17.00–23.00 (approx.). Daventry 647 kc 464 m 150 kW. + Edinburgh, Glasgow, Newcastle, Redmoss. 2 kW – Belfast[2], Bournemouth[2], Brighton[1], Dundee[1], Exeter[1], Fareham[2], Leeds[2], Liverpool[2], Preston[2], Plymouth[2], Redruth[2], Stockton[3], Swansea[3]. 1546 kc 194 m 0.25 kW.
[1]) 0.25 kW, [2]) 1 kW, [3]) 0.25/1 kW.

NETWORK THREE: W. 18.15–19.45 (Transmitters as for Third Prgr.)

FM	Home Sce.	Light Prgr.	Third Prgr.	kWE.R.P.
Wrotham (Kent)	93.5	89.1	91.3	120
Pontop Pike (Newcastle)	92.9	88.5	90.7	60
Divis (Belfast, N. Ireland)	94.5	90.1	92.3	60
No. Hessary Tor (So. Devon)	92.5	88.1	90.3	60
Meldrum (Aberdeenshire)	93.1	88.7	90.9	60
Holme Moss (No. of England)	93.7	89.3	91.5	120
Sutton Coldfield (Birmingham)	92.7	88.3	90.5	120
Norwich (Norfolk)	94.1	89.7	91.9	120
Blaen Plwyf (We. Wales)	93.1	88.7	90.9	60
Wenvoe (So. Wales)	94.3* 92.1**	89.9		120
Rowridge	92.9	88.5	90.7	60
Kerk O'Shotts	94.3	89.9	92.1	120

*) Welsh Home Sce **) We. of England Home Sce.

FOREIGN SERVICE

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
MCM	3952.5	75.90	GWX	9570	31.35	GWG	15110	19.85
GRC	3975	75.47	GSC	9580	31.32	GSF	15140	19.82
MCP	5975	50.21	GRY	9600	31.25	GSO	15180	19.76
MCU	5990	50.08		9615	31.20	GWU	15210	19.72
GRB	6010	49.92	GWO	9625	31.17	GWD	15230	19.70
GWS	6035	49.71	GVZ	9640	31.12	GSI	15260	19.66
GSY	6040	49.67	GWP	9660	31.06	GWR	15300	19.61
GSA	6050	49.59	GWT	9675	31.01	GSP	15310	19.60
GSX	6060	49.50	GRX	9690	30.96		15360	19.53
GRR	6070	49.42	GWY	9700	30.93		15375	19.51
MCV	6080	49.34		9725	30.82		15390	19.49
GWM	6090	49.26	GWF	9735	30.82		15420	19.46
GSL	6110	49.10		9740	30.80	GWE	15435	19.44
GWA	6125	49.98		9750	30.77	GRD	15447.5	19.42
MCW	6140	48.86		9755	30.75	GVP	17700	16.95
GRW	6150	48.78	MCR	9760	30.74	GRA	17715	16.93
GWK	6165	48.66		9765	25.59	GVQ	17730	16.92
GSZ	6170	48.62	MCN	9770	30.71	GRQ	17740	16.91
	6175	48.58	GRH	9825	30.53		17745	16.91
GRO	6180	48.54	GRU	9915	30.26		17755	16.90
GRN	6195	48.43	GRG	11680	25.68	GSG	17790	16.86
MCS	7110	42.19	GVW	11700	25.64	GSV	17810	16.84
GRM	7120	42.13		11725	25.58		17860	16.80
	7130	42.08	GVV	11730	25.58	GRP	17870	16.79
GRS	7135	42.05	GSD	11750	25.53	GVO	17890	16.77
	7140	42.02	GVU	11770	25.49	GSH	21470	13.97
GRT	7150	41.96		11780	25.47		21485	13.96
GRK	7185	41.75	GWV	11790	25.45	GSJ	21530	13.93
GWZ	7200	41.67	GWH	11800	25.42	GST	21550	13.92
GWL	7210	41.61	GSN	11820	25.38	GVT	21630	13.87
	7220	41.55	GWQ	11840	25.34	GRZ	21640	13.86
GSW	7230	41.49	GSE	11860	25.30		21650	13.86
GWI	7250	41.38	GRE	11880	25.25		21655	13.85
GSU	7260	41.32	GWW	11890	25.23	MCX	21660	13.85
GWN	7280	41.21	MCO	11910	25.19	GVR	21675	13.84
GRJ	7325	40.96	GVX	11930	25.15	GVS	21710	13.82
GRI	9410	31.88	MCQ	11945	25.12		21720	13.81
GSB	9510	31.55	GVY	11955	25.09	MCY	21740	13.80
GWJ	9525	31.50	MCT	11960	25.08		25650	11.70
	9530	31.48		11965	25.07	GSR	25720	11.66
GWB	9550	31.41	GRV	12040	24.92	GSQ	25750	11.65
	9555	31.40	GRF	12095	24.80	GSS	25840	11.61
	9560	31.38	GWC	15070	19.91		25850	11.60
						GSK	26080	11.50

EUROPEAN SERVICES:

STATIONS: Long and Medium Waves:

200 kc/s 1500 m – 1295 kc/s 232 m FM: Berlin 87.6 mc/s
647 – 464 – – 1340 – 224 –

The two columns below show the wavebands, which the BBC expects to use during the months from April to September and October to March. There will, however, be changes of both wavelengths and wavebands – sometimes of short notice – and listeners are advised to listen to announcements which will cover all such changes. Detailed wavelengths information can be obtained from the prgr. journals.

	Oct.–March m.b.	April–Sept. m.b.
Albanian		
17.15–17.45 N.	31, 25, 19	25, 19, 16
Bulgarian		
04.30–04.45 N.	49, 41, 31, 25, 19	41, 31, 25, 19
11.00–11.15	19, 16, 13	25, 19, 16, 13
Bulgarian	**Oct.–March m.b.**	**April–Sept. m.b.**
14.30–14.45	25, 19, 16, 11	25, 19, 16, 13
16.15–16.30	19, 16, 13	25, 19, 16, 13
20.30–21.00 Prgr.	25, 19, 16*	25, 19, 16*
Czech		
05.15–05.30 N.	1500 232, 75, 49, 41, 31, 25	49, 41, 31, 25, 19, 16
11.15–11.45 (CBC relay Sun.)	25, 19, 16, 13	25, 19, 16, 13
13.45–14.00	31, 25, 19, 16	31, 25, 19, 16
20.00–20.30	31, 25, 19*	31, 25, 19*
22.00–22.30 (CBC relay Sat).	232, 49	232, 31
22.15–22.30	232, 224, 49, 41	232, 224, 41, 31
Slovak		
11.45–12.00	31, 25, 19, 16, 13	31, 25, 19, 16, 13
17.00–17.15	31, 25, 19, 16, 13	31, 25, 19, 16
English		
05.00–05.15 E. by R.	49, 41, 31, 25	49, 41, 31, 25
06.00–06.30 N., Prgr.	464, 49, 41, 31, 25, 19	464, 49, 41, 31, 25
06.45–07.00 E. by R.	232, 49, 41, 31, 25, 19, 87.6 mc/s	232, 41, 31, 25, 19, 87.6 mc/s
07.00–07.30 N., Prgr.	232, 49, 41, 31, 25, 19, 87.6 mc/s	232, 49, 41, 31, 25, 19, 87.6 mc/s
10.15–10.30 Rel. Ser.** W. only	31, 25	31, 25
12.15–12.30 E. by R.		
12.30–12.45 E. by R. Dictat	41, 31, 25, 19, 16	41, 31, 25, 19, 16
12.45–13.00 N. (Dictat)		
16.45–17.00 E. by R.	232, 41, 31, 25, 19[1])	232, 41, 31, 25, 19[1])
17.15–17.30 E. by R.	224, 41, 31, 25, 19, 16	224, 41, 31, 25, 19, 16
17.30–18.15 N., Prgr.	224, 41, 31, 25, 19, 16	224, 41, 31, 25, 19, 16
18.15–18.30 Press Rev.	224, 41, 31, 25, 19, 16	224, 41, 31, 25, 19, 16
19.00–19.15 E. by R.	224, 41, 31, 25	224, 41, 31, 25
19.15–19.30 Dictation	224, 41, 31, 25	224, 41, 31, 25
19.30–19.45 N. Dictat	224, 49, 41, 31	224, 49, 41, 31
21.15–21.30 E. by R.	232, 224, 49, 41[1])	232, 224, 41, 25[1])
21.45–22.00 N.	232, 224, 49, 41[1])	232, 224, 41, 31, 25[1])
Finnish		
15.45–16.00 E. by R. (Mo. Thurs. Sat.)	232, 31, 25, 19	232, 41, 31, 25, 19
16.00–16.45 N., Prgr.	31, 25, 19	31, 25, 19
18.45–19.00 N.	41, 31, 25, 19	41, 31, 25, 19
French		
06.30–06.45 N.	464, 49, 41, 31	464, 49, 41, 31
11.30–12.00 N.	464, 41, 31, 25	464, 41, 31, 25
19.45–20.45 N., E. by R.	224, 49, 41, 31	224, 41, 31, 25
German		
04.45–05.15 Prgr.	1500 232, 75, 49, 41[1])	1500, 232, 49, 41, 25[1])
06.00–06.45 N.	1500, 232, 49, 41, 31[1])	1500, 232, 41, 31, 25[1])
12.30–13.00 Rel. (Sun.)	232, 25, 19, [1])	232, 25, 19[1])
12.30–12.45 N. (W.)	232, 25, 19[1])	232, 25, 19[1])
18.00–18.15 "Hier Spricht Kanada" (Sun. Tues. Thurs. Sat.)	232, 87,6 mc/s	232, 87.6 mc/s
18.15–18.30 "Lernt E."	232, 41, 31[1])	232, 31, 87.6 mc/s
19.00–21.15 N., Prgr.	232, 49, 41, 31[1])	232, 31, 25[1])
Greek		
05.00–05.15 N.	31, 25, 19	25, 19
12.45–13.00 N.	19, 16, 13	19, 16, 13
18.30–19.00 Prgr.	19, 16, 18	19, 16, 13
Hungarian		
04.45–05.00 N.	49, 41, 31, 25, 19	41, 31, 25, 19
05.45–06.00 N.	41, 31, 25, 19, 16	31, 25, 19, 16
12.00–12.15 N.	25, 19, 16, 13	25, 19, 16, 13
13.00–13.15 Prgr.	25, 19, 16, 13	25, 19, 16, 13
16.45–17.00 Prgr.		
19.30–20.00 Prgr.	31, 25, 19*	31, 25, 19, 16*
Italian		
12.15–12.30 N.	25, 19, 16	25, 19, 16
18.30–19.00 Prgr.	31, 25, 19	31, 25, 19
21.00–21.45 Prgr.	41, 31, 25	31, 25, 19
Polish		
04.30–04.45 N. (W)	49, 41, 31, 25, 19	49, 41, 31, 25, 19
05.30–05.45 N. (Sun.)	49, 41, 31, 25, 19	49, 41, 31, 25, 19
06.30–06.45 (W)	49, 41, 31, 25, 19	49, 41, 31, 25, 19
07.30–07.45 (Sun.)	31, 25, 19, 16	25, 19, 16, 13
14.00–14.15 N.	31, 25, 19, 16	31, 25, 19, 16, 13
16.30–17.00 A.C.E.	25, 19	25, 19
17.15–17.30 (Su.)		31, 25, 19
18.15–19.00 Prgr.	31, 25, 19	25, 19, 16
21.00–21.30	224, 49, 41, 31, 25	224, 41, 31, 25, 19
22.00–22.15 Prgr.	232 (not Sat.), 224, 75, 49, 41, 31	232 (not Sat.), 227, 41, 31, 25, 19, 16

Rumanian		
04.15–04.30 N.	49, 41, 31, 25, 19	41, 31, 25, 19
10.45–11.00	19, 16, 13	19, 16, 13
14.15–15.30	25, 19, 16, 11	25, 19, 16, 13, 11
16.00–16.15	25, 19, 16, 13*	25, 19, 16, 13*
19.00–19.30 N. Prgr.	25, 19, 16, 13*	25, 19, 16, 13*
21.45–22.00 N .	31, 25, 19*	31, 25, 19, 16*
Russian		
03.45–04.15	232, 224, 49, 41, 31	232,224,41,31,25,19
15.00–15.30 N. Prgr.	31, 25, 19, 16	31, 25, 19, 16, 13
17.45–18.15	41, 31, 25, 19	31, 25, 19, 16
20.30–21.00	49, 41, 31, 25	31, 25, 19, 16
23.15–23.30 N.	232, 224, 49, 41, 31	1500,224,41,31,25,19
Spanish		
13.00–13.15 E. by R. (Mo., Tues. Thurs. Fri.)	31, 25, 19	31, 25, 19
13.15–13.30 N.	31, 25, 19	31, 25, 19
21.15–22.00 N. Prgr.	41, 31	31, 25, 19
Turkish		
05.00–05.15 N.	31, 25, 19	31, 25, 19
16.30–16.45	19, 16, 13	19, 16, 13
19.00–19.30	25, 19, 16	19, 16, 13
Yugoslav		
13.15–13.30 N.	25, 19	25, 19
13.30–13.45 Prgr. or E. by R.***	25, 19	25, 19
14.45–15.15 Slovene (Sun.)	25, 19	25, 19
16.30–16.45 N.	25, 19	25, 19
18.15–18.30 Slovene	25, 19	25, 19
19.30–20.15 N. Prgr.	31, 25	31, 25

* Additional wavelengths. ** Su. one h. earlier. [1]) also 87.6 mc/s
*** Sun. Mo. Wed.

GREENWICH TIME-SIGNALS at the hour are radiated on one or other of the European Prgrs. on the long medium or s.w. normally scheduled at 05.00, 06.00, 07.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 19.00, 20.00, 21.00, 22.00. – **Big-Ben**: 19.00 and 20.00.

ANN.: E.: "This is London calling in the European Service of the B.B.C.". – F.: "Ici Londres". – G.: "Hier ist England". – I.: "La Voce di Londra". – **INT.-SIG.: for European Service**: Morse Signal "V" (V for Victory) played on Timpani (i.e. . . . .–).

GENERAL OVERSEAS SERVICE:

The General Overseas Service, which operates 21 hours a day 04.30–08.00, 09.30–03.00 (from Dec. 29th 24 h. a day) and can be heard at suitable listening times all over the world, is addressed to English-speaking listeners, wherever they may be. All prgrs. are in English. The times at which the General Overseas Service is available in various parts of the world and the appropriate wavebands are: (all times are subject to alterations):

	Oct.–March m.b.	April–Sept. m.b.
Australia		
06.00–08.00	31, 25, 19	25, 19
09.30–11.30	19, 16, 13, 11	19, 16, 13
20.00–22.15	31, 25, 19, 16, 13	25, 19, 16, 13
N. Zealand		
06.00–08.00	25, 19	25, 19
09.30–11.30	19, 16, 13	19, 16
20.00–22.15	25, 19, 16, 13	25, 19, 16
Japan, N. China, NW Pacific		
09.30–14.15	25, 19, 16, 13	25, 19, 16, 13
So. Ea. Asia, India, Pakistan, Ceylon		
01.45–02.15	31, 25, 19	31, 25, 19
09.30–18.15	25, 19, 13, 11	25, 19, 13, 11
E. Africa, Egypt, Sudan, Israel, Jordan, Turkey, Lebanon		
04.30–08.00*	25, 19, 16, 13	25, 19, 16, 13
09.30–21.00*	31, 25, 19, 13, 11	25, 19, 16, 13, 11

* rel. by East-Mediterranean Rel. Sce. 05.45–08.00, 09.15–09.45, 13.00–14.15.

Iraq, Persia		
04.30–06.15	25, 19	25, 19
14.15–20.15	25, 19, 13	25, 16, 13
Malta, Greece, Italy, C. Mediterranean		
04.30–07.15	31, 25, 19	31, 25, 19
09.30–21.00	41, 31, 25, 19, 13, 11	41, 31, 25, 19, 16, 13
C. and So. Africa		
04.30–08.00	31, 25, 19, 16, 13	31, 25, 19, 16, 13
10.30–22.45	31, 25, 19, 16, 13, 11	31, 25, 19, 16, 13, 11
No. Africa		
04.30–07.15	41, 31, 25, 19, 16	25, 19, 16
16.00–22.45	41, 31, 25, 19, 16, 13	31, 25, 19, 16, 13
We. Africa		
04.30–08.00	31, 25, 19, 16, 13	25, 19, 16, 13
09.30–22.45	31, 25, 19, 13	31, 25, 19, 16, 13
Gibraltar, W. Mediterranean		
04.30–07.15	41, 31, 25, 19	41, 31, 25, 19
10.30–22.45	31, 25, 19, 16, 13, 11	41, 25, 19, 16, 13
So. Georgia		
22.15–00.30	41, 31, 25	41, 31
Canada, U.S.A., Mexico		
21.00–03.00	31, 25, 19, 16	31, 25, 19, 16
W. Indies, C. America, S. America (N. of Amazon)		
20.00–23.15	25, 19, 16, 13	31, 19, 16, 13
23.45–03.00	31, 25, 19, 16	25, 19, 16
S. America		
20.00–03.00	31, 25, 19, 16	31, 25, 19, 16

N.: 02.00, 04.30, 06.00, 07.00, 11.00, 13.00, 16.00 (Sun.–Fri.), 17.00. Sat., 18.00, 20.00, 23.00.

Home News from Britain: 07.10, 13.10, 18.10, 23.10. – **Radio Newsreel**: 00.15 (Sun.), 00.45 (W.), 06.15, 14.00, 17.15. – **From the Editorials**: 02.10, 06.10, 09.40. – **Greenwich T.-Sig.**: 00.00, 02.00, 05.00, 06.00, 07.00, 08.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 20.00, 21.00, 23.00. – **Big Ben**: 00.00, 01.00, 02.00, 04.00, 05.00, 07.00, 14.00, 18.00, 23.00. – The Greenwich T. Sig. and Big Ben (Full Strike) really apply to all the Overseas Services.

ANN.: "This is the General Overseas Service of the B.B.C....". – INT.-SIG.: Bow Bells.

SPECIAL SERVICES:

PACIFIC SERVICE: (Australia, N. Zealand)	Oct.-March m.b.	April-Sept. m.b.
08.00–08.45	25, 19, 16, 13	
06.00–07.00		31, 25, 19

FAR EASTERN SERVICE: (relayed by BBC Far Eastern Station).

China and Japan		
09.00–09.30	13, 11	16, 13
11.00–11.30	25, 16	16, 13
12.00–12.45	16, 13	16, 13
South East Asia		
09.00–09.30	13, 11	13, 11
10.30–13.45	16, 13, 11	16, 13
14.15–14.30	16, 13	16, 13

09.00 Japanese, 09.15–09.30 English, 10.30 Indonesian, 11.00 Japanese, 11.30 Vietnamese, 12.00 Kuoyu, 12.30 Cantonese, 12.45 Malay, 13.00 English, 13.15–13.45 Thai, 14.15–14.30 Burmese.

EASTERN SERVICE:		Oct.-March	Apr.-Sept.
S. & S. E. Asia	*13.15–14.00	16, 13, 11	16,13
[1])India, Pakistan, Ceylon	14.00–15.30	16, 13	16, 13
	**13.45–14.15	16, 13	16, 13
[1])E. Africa	14.00–15.30	13	13
[2])N. East***	03.45–05.45	31, 25, 19	25, 19,16
	10.00–13.00	16, 13, 11	16,13, 11
	16.00–20.30	41, 25, 19, 13	19,16
[2])E. Africa***	03.45–05.45	31, 25, 19	25, 19, 16
	10.00–13.00	16, 13, 11	16, 13, 11
	16.00–20.30	41, 25, 19, 16, 13,	25, 16, 13
[2])No. Africa***	04.45–05.45	31, 25	25
	10.00–13.00	13	13
	16.00–20.30	31, 19	16
[3])Israel	16.30–17.00	25, 19, 16, 13	19, 16, 13
[4])Persia	10.00–10.15	16, 13	16, 13
	15.45–16.30	25, 19, 16, 13	19, 16, 13

* English: "London calling Asia". ** Tues., Wed., only (Tues.: Sinhalese; Wed.: Marathi). *** Rel. by East Mediterranean Rel. sce.
[1]) Hindi: 14.00–14.15, 14.15–14.45 (exc. Thurs., Sat.); Tamil: 14.15–14.45 (Thurs.); W. Bengali: 14.15–14.45 (Sat.); Urdu: 14.45–15.15 (exc. Wed.), 15.15–15.30; E. Bengali: 15.00–15.30 (Wed.). – [2]) Arabic: N.: 04.00, 05.00, 18.00, 20.15. "English by R.": 17.05 (Tues., Sat.); 19.40 (Sun., Fri.); – [3]) Hebrew: N.: 16.30. – [4]) Persian: N.: 10.00, 16.15. "English by R.": 16.05 (Wed.), 16.10 (Sat., Sun.).

SCE. TO E. AFRICA:	Oct.–March	April.–Sept.
09.45–10.00 E*	13, 11	13, 11
10.00–10.15 E (Fri.)	13, 11	13, 11
17.30–17.45 E (Thurs. only)	13	13
18.15–18.30 E (Sun. and Fri. only)	13	13

* Rel. by East Mediterranean Rel. sce.

SCE. TO WE. AF.:		
09.00–09.45 English	13, 11	13, 11
SCE. TO C. AND SO. AF.:		
17.15–17.30 English (Sun., Thurs.)	13	13
SCE. TO MALTA:		
10.00–10.15 (exc. Thurs., Fri., Sat.) Maltese	13, 11	13, 11
SCE. TO FALKLAND ISL.:		
22.00–22.30 (Sun. only) English	31, 19, 13	25, 19, 13
SCE. TO W. INDIES:		
23.15–23.45 English	25, 19, 16	19, 16

NORTH AMERICAN SCE.:
Canada, U.S.A., Mexico
14.00–18.15 16, 13 16, 13
E.: 14.00–17.00, 17.00–18.15. F.: 17.00–17.10
SCE. TO ANTARCTIC:
22.00–22.30 (Tues.) E. 31, 19
LATIN AMERICAN SERVICE:
C. America, S. Caribbean Area, S. Am. (N. of Amazon)
Sp.: 01.00–02.30 25, 19 25, 19
P.: 23.00–00.15 25, 19 19, 16
Mexico
Sp.: 01.00–02.30, So. Am. (S. of Amazon) 25 25
Sp.: 23.00–00.30, P.: 23.00–00.15 25, 19 19, 16
N.: in Sp.: 23.00, 00.00, 01.00, 02.00. N.: in P.: 23.00, 00.00.

BBC FAR EASTERN STATION (Govt.).
ADDR.: Thomson Road Studios. P.O. Box 434, Singapore, Malaya.
Cable: Febrocast. – L.P.: Head of Service: C. P. Albany.
STATIONS: Singapore.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6110	49.10	9690	30.96	11930	25.15	15435	19.44
6175	48.58	9725	30.85	11955	25.09	17755	16.90
7120	42.13	11700	25.64	15300	19.61	17790	16.86
7260	41.32	11780	25.47	15310	19.60	17870	16.79
9560	31.38	11820	25.38	15360	19.53	17890	16.77
9625	31.17	11880	25.25	15420	19.40	21640	13.86
						21720	13.81

Prgr. A. Sce. in English:	H. of tr.:	m. b. all the year round
To No. and Ea. China,	09.15–11.00	25, 19
Hong-Kong, Korea, Japan:	13.15–14.00	25, 19, 16, 13
To So. China, Vietnam:	09.15–09.30	16, 13
Laos Cambodia:	09.30–13.15	16, 13
	13.15–14.00	25, 19, 16
	14.00–16.35	31, 25, 19
To Indonesia:	09.15–10.30	41, 31
	11.00–11.15	
To Burma, Thailand:	13.00–13.15	25, 19
	13.15–14.00	25
	14.00–16.35	31, 25, 19
To India, Pakistan, Ceylon:	13.00–13.15	19, 16, 13
	14.15–16.50	
	13.15–14.00	13
To Australia:	13.00–13.15	31

Prgr. B (Rel. of Far Eastern & Eastern Sce. and "London Calling Asia").

	Language:		
To Japan:	Japanese	09.00–09.15	25, 19
To No. and Ea. China,	Japanese	11.00–11.30	19, 13
Hong-Kong, Korea, Jap.	Kuoyu	12.00–12.30	41, 31, 25
	Cantonese	12.30–12.45	41, 31, 25
To So. China, Vietnam,	Vietnamese	11.30–12.00	41, 31, 25
Laos, Cambodia:	Kuoyu	12.00–12.30	
	Cantonese	12.30–12.45	
To Indonesia:	Indonesian	10.30–11.00	41, 31
To Burma, Thailand:	Burmese	14.15–14.30	31, 19
	Thai	13.15–13.45	31, 25
To India, Pakistan,	Hindi	14.00–14.45a)	13
Ceylon:	Tamil	14.15–14.45b)	
	Bengali	14.15–14.45c)	
	Urdu	14.45–15.30d)	
	Bengali	14.45–1515 e)	

a) exc. Thurs. & Sat. only until 14.15. b) Thurs. only. c) Sat. only. d) Wed. only 15.15–15.30. e) Wed. only.
ANN.: "This is the BBC Far Eastern Station, Singapore".

EAST MEDITERRANEAN RELAY, Cyprus.
Relays of the BBC Eastern Service and General Overseas Service.

	kc/s
To No. Egypt/Israel/Jordan/Lebanon/Syria:	638
To Iraq/Persian Gulf	6120, 11720
To Israel/Jordan/Arabia	6170
To Libya/Syria	6790
To Sudan/Egypt	9650

03.45–05.45*, 05.45–08.00**, 09.15–09.45**, 09.45–10.00***, 10.00–13.00*, 13.00–14.15**, 16.00–20.30*.
* Arabic, ** General Overseas Service, *** English.

VOICE OF AMERICA RELAYS BY THE BBC
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
DAILY PRGR.: Blue Stars Network. 14.30-22.30.

14.30–15.00	English	18.30–19.00	Ukrainian
15.00–15.30	Russian	19.00–19.30	Latvian
15.30–16.00	Armenian	19.30–20.00	Lithuanian
16.00–16.30	Georgian	20.00–20.30	Estonian
16.30–17.00	Polish	20.30–21.00	Polish
17.00–17.30	Persian	21.00–21.30	Russian
17.30–18.00	Ukrainian	21.30–22.00	Ukrainian
18.00–18.30	Russian	22.00–22.30	Russian

Grey Stars Network. 16.00–22.00.

16.00–16.30	Russian	19.00–19.30	Serbo-Croat
17.00–17.30	Rumanian	19.30–20.00	Bulgarian
17.30–18.00	Hungarian	20.00–20.30	Rumanian
18.00–18.30	Czech	20.30–21.15	Hungarian
18.30–19.00	Albanian	21.30–22.00	Bulgarian

ANN.: The BBC announces its relay of the Voice of America programs starting the language and relay frequencies. – V. by QSL-card.

★ GREECE ★

L.T.: GMT + 2 h. – L.: Greek. Rcvrs.: 541.982.
NATIONAL HELLENIC BROADCASTING INSTITUTE
(Ethnikon Idhryma Radhiophonias) (Go., Statutory Body of Public Law).
ADDR.: 4 Rigillis St., Athens, K. – Cable: Radiostathens.
L.P.: Pres. of the Adm. Council: G. Sophonopoulos. Dir. Gen.: F. Smitt. Dir. Broadc. and Prgr.: D. Romas. Dir. Adm. and Secr. Gen.: A. Margaritis. Dir. Tec.: V. Aslanides. Financial Sce's.: V. Karamalikis. Dir. Foreign Sce.: D. Apostolopoulos.
HOME SERVICE:

	kc/s	m	kW		kc/s	m	kW
Athens (Nat.)	728	412	150	Comotini	1403	213	5 [1]
Athens (2'prgr.)	665	451	15	Rhodes	1394	215	5 [1]
Athens (3'prgr.)	1421	211	0.2	Volos	1484	202	0.2[1]
Corfu[1]	1007	298	50	Patras	1511	198	0.3[1]
Salonica[1]	1043	288	2	Chania	1511	198	5 [1]

[1]) Regional.
NAT. PRGR.: (Wi) W.: 04.30–08.30, 10.30–13.50, 15.00–22.15. Sun. 04.30–22.15. (Su.: W.: 04.30–08.30, 10.30–13.50, 15.00–23.00 (Sun. 04.30–23.00).
N.: 05.30(Su. 05.15), 07.00(W), 11.00, 12.30(W) .20.15, 22.00. – N. in English: 05.40 (Su. 05.25). – Wrp.: W.: 08.00, 13.45. – Nat. Music: 16.45–17.15.
2' PRGR.: D.: 05.30-07.00, 08.30-21.30. Sun. 08.30-21.30.
3' PRGR.: D. 17.00–22.00. Serious musical prgr. only.
Corfu: 05.00–08.30, 10.30–13.00, 15.30–22.00.
Salonica: 05.00–08.00, 10.00–13.30, 15.00–22.15.
Rhodes & Comotini: 05.00–08.00, 10.00–13.30, 15.00–21.00.
Volos: 05.00–07.10, 10.00–13.15, 16.00–22.00.
Patras: 10.30–12.45, 17.00–21.15.
Chania: 05.00–08.00, 10.30–13.30, 15.00–21.00.
ANN.: Nat. Prgr.: "Proghramma Ellinikou Ethnikou Dhiktiou" (Greek Nat. Network Prgr.). Second Prgr.: "Dhefteron Proghramma". Third Prgr.: "Triton Proghramma". – Reg.: "Edno...(Korkyra, Thessaloniki, Rhodhos, etc.)" (This is... Corfu, Salonica, Rhodes etc.).
STATION-SIG.: Used by medium wave stations of N.B.I.: "Tsopanakos imouna" ("I used to be a shepherd boy"), a folk song played on native flute and sheep bells.

INT.-SIG.: "Musical box" played on vibraphon. – F.PL.: Athens I 50kW, Athens III 15kW. – PUB.: Weekly: "Radio Programma".
FOREIGN SERVICE: Athens – 7.5/5kW

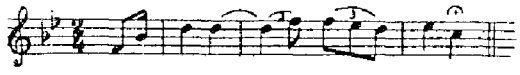
6177kc/s	48.56m	9607kc/s	31.23m	15345kc/s	19.55m
7142kc/s	42.01m	11718kc/s	25.60m	17745kc/s	16.90m
7300kc/s	41.10m	11927kc/s	25.15m		

D. PRGR.:	Target area	kc/s	L.
W. 07.00–08.15	Cyprus	9607	Greek
Sun. 05.30–08.20		15345	
D. 09.00–10.00 exc. Mo.	Egypt	15345	Greek
D. 10.30–13.00	Cyprus	9607	Greek [1])
D. 13.30–15.15	Balkans [4])	11927	
D. 15.30–15.45	USSR	17745	Russian
D. 16.00–17.00	N. East	9607	Greek [3])
		15345	
D. 17.15–17.45	N.W. Eu.	15345	French
		17745	English
D. 18.15–18.45	Cyprus	9607	Greek
		11718	
D. 19.00–20.00	N.W. Eu.	15345	Greek
		17745	
D. 22.00–22.30	Mediterranean	15345	Greek [3])
D. 23.00–23.30 [5])		17745	

[1]) Rel. R. Athens II. [2]) N. at dictation speed. [3]) N. and Messages to Shipping. [4]) Turkish, Yugoslav, Rumanian, Bulgarian, Albanian. [5]) Repetition prgr.: 22.00–22.30.
ANN.: Greek: "Edho Radiophonikos Stathmos Athinon Vracheon Kymaton". – E.: "This is Radio Athens the Voice of Greece". – F.: "Ici Radio Athénes la voix de la Grèce".
STATION-SIG.: See Home Sce. – V. by QSL-card or letter.

FORCES BROADCASTING STATIONS

ATHENS (Central)
ADDR.: Forces Central Radio Station, 3, Zalokostas St. Athens K.
STATIONS: 1300 kc/s 230.7 m 1 kW – 7422 kc/s 40.43 m 1 kW.
D. PRGR.: 05.00–07.30, 10.00–13.00, 15.30–22.00. N.: 12.00, 19.00.
ANN.: "Edho Athinae: Kendrikos Radhiophonikos Stathmos Enoplon Dhynameon Helladhos" (This is Athens: The Central Radio Station of the Greek Armed Forces). – INT.-SIG.: The main motif from the march "Greece never dies" played on trumpets



	kc/s	m	kW	
Janina	7126	42.12	0.3	05.00–07.00, 10.00–14.30, 15.30–20.00
Kavalla	7620	39.37	0.5	05.00–07.00, 10.30–13.00, 17.00–20.30
Kozani	7950	37.74	0.5	05.00–06.00, 10.00–12.00, 17.00–20.30
Larissa	6752	44.43	0.5	05.00–07.00, 10.00–13.00, 16.30–21.00
Salonika	1006	298.2	1 }	05.00–07.00 (Sun. 08.30),
	7000	42.86	0.4 }	10.00–12.30, 15.00–21.00
Tripolis	6270	47.86	0.5	05.30–06.30, 10.00–12.00, 17.00–20.00

PRIVATE BROADCASTING STATIONS

Amalias	1385 kc/s	216.8 m	1.25 kW	16.30–21.30
Chios	6590 –	45.42 –	0.1 –	17.00–20.30
Heraklion (Candia)	6480 –	46.30 –	0.06 –	17.00–21.00
Karpenission	6525 –	46.00 –	0.3 –	17.00–21.00
Megara	1186 –	253.0 –	0.06 –	05.30–07.00
				10.30–12.30
Mytilini	6240 –	48.07 –	0.1 –	17.00–20.30
Sparta	1236 –	242.7 –	0.05 –	17.30–21.00

VOICE OF AMERICA RADIO STATION IN GREECE

ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
M.W.: Salonika A 791 kc/s 379.2 m 50 kW: 10.00–13.30, 15.30–22.30.
S.W.: Salonika 35 kW: 15.00–22.00.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6185	48.50	9520	31.51	11805	25.41	15285	19.63
7260	41.32	9685	30.98	15195	19.74	17720	16.93

DAILY PROGRAMMES: Medium Wave:

08.15–10.00 Greek (R. Salonika)	19.00–19.30 Serbo-Croat
Sun. only	19.30–20.00 Bulgarian
10.00–13.30 Greek (R. Salonika)	20.00–20.30 Rumanian
15.30–17.15 Greek (R. Salonika)	20.30–21.00 Hungarian
17.15–17.30 Greek	21.00–21.15 Greek
17.30–18.00 Bulgarian	21.15–22.15 Greek (R. Salonika)
18.00–18.30 Rumanian	22.15–22.30 Serbo-Croat
18.30–19.00 Albanian	

Short Wave. See U.S.A.
ANN.: "This is the Voice of America Radio Station in Salonika."
V. by QSL-card.

VOICE OF AMERICA SEABORNE RADIO STATION DODECANESE ISLANDS

Seaborne Radio Station aboard U.S.C.G.C. "COURIER", currently located at the Island of Rhodes.
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
M.W.: Courier A 1259 kc/s 238.3 m 150 kW: 16.00–23.00.
S.W.: Courier 35 kW: 15.00–16.00, 16.30–23.00.
6185 kc/s 48.50 m – 9530 kc/s 31.48 m – 15195 kc/s 19.74 m
7125 kc/s 42.11 m – 11760 kc/s 25.51 m
DAILY PRGR.:

15.00–15.30 Russian	16.30–17.00 Turkish	21.30–22.00 Armenian
15.30–16.00 Armenian	17.00–21.00 Arabic	22.00–22.30 Rumanian
16.00–16.30 Persian	21.00–21.30 Georgian	22.30–23.00 Bulgarian

ANN.: "This is the COURIER, sea-borne radio station of the Voice of America." – V. by QSL-card.

★ GREENLAND (Danish Territory) ★

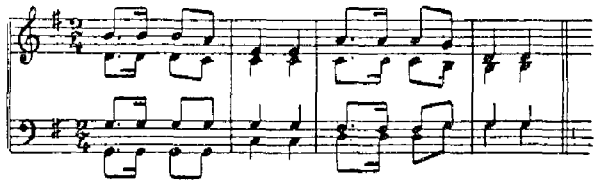
L. T.: See World Time Table. – L.: Greenlandic, Danish.

GRØENLANDS RADIO (Govt.).

Ministry of State, Greenland-Dept., Torvegade 1, Copenhagen.

GODTHAAB RADIO

ADDR.: Grønlands Radiofoni, Godthaab. – Cable: Radiopress.
L.P.: Dir. Broadc.: Fr. Nielsen. Chief-Editor: P. R. Brandt.
STATIONS: OXI 633 kc/s 475 m 1 kW – 9526 kc/s 31.50 m 1 kW.
D. PRGR.: D. 21.00–01.00, Sun.: 12.00–13.00, 15.00–16.30, 22.00–10.00. Occ. religious sce. Sun. 13.00–14.00 or 19.00–20.00.
Prgr. consists of Wrp., N., Ships Positions in Greenlandic and Danish. L. L. Talks, Outside Broadcasts, Music, Entertainment.
After approx. 1' April the stations will be:
Godthaab 570 kc/s 25 kW – Frederikshaab 630 kc/s 5 kW – Godhavn 650 kc/s 5 kW. The h. of tr. not yet fixed.
ANN.: "Grønlands Radio, Godthaab" in Danish and Greenlandic. – INT.-SIG.: Greenlandic song "Sonja Kalipok".



ANGMAGSSALIK RADIO

ADDR.: Angmagssalik Radiostation, Angmagssalik.
STATION: OZL 1500 kc/s 200 m – 7570 kc/s 39.63 m 0.5 kW
D. PRGR.: W. 14.00–14.50. N., Wrp., Ship's Positions in Danish and Greenlandic, Records.
ANN. in Danish: "Goddag. Her er Angmagssalik med de danske nyheder." – V. by letter. Reports should be sent to the resp. st. R. p.

US. ARMED FORCES RADIO STATIONS (Air Force):

KOLD*	Thule Airport	1425 kc/s	210.5 m	1 kW	11.00–05.00
WXLS	Narsarssuak	850 kc/s	352.9 m	1 kW	
WXLS	Söndreström	1420 –	211.3 –	0.25 –	

*Addr.: APO 23, c/o PM, New-York, N.Y. - V. by QSL-card.

★ HOLLAND ★

L. T.: GMT 1 h. – L.: Dutch.-Rcvrs: 2.500.000.
ADDR.: Stichting Nederlandsche Radio Unie. (The Dutch Radio Union) Postbox 150, Hilversum. – Cable: Radiounie.
The Dutch prgrs. for home are provided by:
A.V.R.O.: Algemeene Vereeniging Radio-Omroep. Head-Office: Keizersgracht 107, Amsterdam. Studio's: 's Gravelandseweg 52, Hilversum. Chairman: Jhr. The. Röell. Secr.: H. A. Wassenbergh LL.D. Treasurer: E. A. Timmer. Man. Dir.: D. Repko.
K.R.O.: Katholieke Radio-Omroep, Emmastraat 52, Hilversum. Chairman: Prof. Dr. J. B. Kors O.P., Secr. Vacancy. Treasurer: C. Burger. Man. Dir.: Drs. A. J. J. van d. Made.
N.C.R.V.: Nederlandsche Christelijke Radio Vereeniging, Schuttersweg 8, Hilversum. Chairman: A. B. Roosjen LL. D. Secr.-Treasurer: C. A. Keuning. Man. Dir.: A. H. v. d. Veen LL. D.
V.A.R.A.: Vereniging van Arbeiders Radio Amateurs, Heuvellaan 33, Hilversum. Chairman: J. A. W. Burger LL.D. Secr.-Treasurer: J. W. Lebon. Prgr. Secr.: J. B. Broeksz. Secr.: J. W. Rengelink.
W.P.R.O.: Vrjzinnig Protestantse Radio-Omroep, 's Gravelandseweg 65, Hilversum. Chairman: Dr. J. A. de Koning. Secr.: Dr. E. D. Spelberg. Treasurer: Ir. K. Kooy.
CENTRAL ADDRESS for programme Publications: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.
L.P. of the Board of the Nederlandsche Radio-Unie: Chairman: Prof. Dr. J. B. Kors O. P. Secr.: J. W. Lebon. Treasurer: Jhr. Th. Röell. Members: J. B. Broeksz. Dr. J. A. de Koning. Drs. A. J. J. v. d. Made. D. Repko, A. B. Roosjen LL.D., A. H. v. d. Veen LL.D.
STATIONS:
Hilversum I: 746 kc/s 402 1,m 120 kW – II: 1007 kc/s. 297,9 m 120 kW.
Rel.: Hengelo-Hoogezand-Hulsberg: 1594 kc/s 188.2 m total 5 kW.

FM	mc/s	kW	mc/s	kW		mc/s	kW	mc/s	W
Hoogezand	91.8	15	94.9	15	Irnsum	88.2	15	96.0	15
Hulsberg	95.1	5	97.5	5	Mierlo	93.5	15	99.9	15

D. PRGR.: Hilversum I. and II: W. 06.00–23.00. Sun. 07.00–23.00.
N. in 1st and 3rd quarter: Hilversum I: 06.00(W), 07.00, 12.00, 17.00(W) 18.45(Sun), 22.00.
Hilversum II: 06.00(W), 07.00, 12.00, 16.50 (Sun), 18.00 (W), 22.00.
N. in 2nd, 4th quarter:
Hilversum I: As Hilversum II Hilversum I: As Hilversum I.
INT.-SIG.: A tone from "Valerius Gedenckklanck": "O Nederland, let op u saeck, da tyt en stout is daer".

FOREIGN SERVICE

RADIO NEDERLAND WERELDOMROEP (non comm.).

ADDR.: Radio Nederland, P.O. Box 137, Hilversum. Main-Office: 's-Gravelandseweg 76, Hilversum. – Cable: "Mundivox".
L.P.: Dir. Gen. H. J. van den Broek. Dir. Adm.: C. J. Strop. Directors: Central Prgr. Sce.: J. W. Acda. N. Sce.: Dr. M. P. Bajetto. – Dutch Sce.: F. Thors. International Sce.: H. J. P. J. van Eijndhoven. – Transcription Sce.: Lod. Prins. – Producer "Happy Station"-prgr.: Edw. Startz. – Dir. Tec.: V. J. de Grijs.
All freq. are operated by 100 kW Lopik trs. exc. 25610 and 6025 kc/s 50 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6025	49.79	11730	25.58	15365	19.52	17800	16.85
9590	31.28	11915	25.18	15425	19.45	17810	16.84
9715	30.88	11950	25.10	15445	19.43	21480	13.96
9745	30.79	15220	19.71	17775	16.88	25610	11.71

OPERATION SCHEDULE

Special abbrev.: N.An. = Netherlands Antilles. N.G. = Netherlands New Guinea. Su. = Surinam (Dutch Guyana).

Wavelengths between brackets are possible substitutes.

H. of tr.	Areas served	m. b. 1st period*)	m. b. 2nd period**)
Afrikaans			
W. 17.30–18.00	So. Af.	13, 16, 19	13, 16, 19
Arabic:			
W. 16.30–17.25	M.Ea., No.Af.	13, 16	13, 15 (11)
Dutch:			
W. 09.45–11.45	Au,NZ,NG	13, 16, 19 (11)	13, 16, 19 (11)
W. 07.00–08.00	Au,NZ.,NG		19, 25 (16)
Sun. 08.30–10.25	Ind., Af.	13, 16 (11)	13, 16 (11)
W. 13.00–15.20[1])	Ind.	13, 16 (11)	13, 16 (11)
W. 18.00–20.00[2])	Af., Eu.	16, 19 (13)	13, 16, (19)
W. 22.00–22.50	No.Am.	19, 25 (16, 31)	16, 19 (13)
W. 23.00–01.30[3])	No.Am., Su.	19, 25, 31	16, 19 (13)
[1]) Sun. 13.00–15.50 [2]) Sun. 18.00–21.00. [3]) Sun. 23.00–02.00.			
English:			
D. exc. Mo. 02.30–03.10	No.Am.,NZ	25, 31 (49)	19, 25, 31
W. 09.00–09.40	Au.,NZ	13, 16 (11)	13, 16 (11)
W. 15.45–16.25	So.As.,Af.	13, 16, 19	13, 16, 19
W. 21.15–21.55	Eu.No.Am.,	19, 25, 31	16, 19 (13)
Indonesian:			
D. 12.00–13.00	Ind.	13, 16 (11)	13, 16 (11)
Spanish:			
D. exc. Mo. 01.30–02.10	Sp.Am.	19, 25 (31)	16, 19 (25)
D. exc. Mo. 03.15–03.55	C.Am.	25, 31 (49)	19, 25, 31
W. 20.15–20.55	Sp.	25, 49 (31)	19, 25 (49)
Happy Station:			
Sun. 10.30–11.58	As.,Au.,NZ.	13, 16 49 (11)	13, 16 (11)
Sun. 16.00–17.30	M.E.,Af.,Eu.	13, 16 (11)	13, 16 (11)
Sun. 21.30–23.00	So.Am.,Sp.	19, 25, 31	16, 19, 25
Mo. 02.30–04.00	No.Am.,NZ.	25, 31 (49)	19, 25 (31)
*) Oct.-March. **) April-September.			

PROGRAMME SCHEDULE

The letters A, B, C etc. used in the programme-schedule indicate the following frequencies:

	kc/s		kc/s		kc/s		kc/s
A	25610	E	17775	J	15220	N	9745
B	21480	F	15445	K	11950	O	9715
C	17810	G	15425	L	11915	P	9590
D	17800	H	15365	M	11730	Q	6025

Letters between brackets indicate possible substitutes.

National Music: W. 17.36–18.00 on BE (CD) in Afrikaans.

The Amsterdam Concertgebouw Orch.:

Dutch, English, Spanish: Thursday: 10.35–11.35, 13.50–14.50 on BE (CA); 18.50–19.50 on BEQ (CD); Fri. 00.15–01.15 on EGJ (MP)

Indonesian: Sun. 12.14–12.42 on BE (CA).

The Netherlands Composers:

English: Wed.: 09.10–09.30, 15.55–16.15 on BE (CA); Wed.: 21.25–21.45 on EFJ (M); Thurs.: 02.40–03.00 on FJP (Q).

Spanish: Wed.: 20.25–20.50 on FLP (Q). Thurs.: 01.40–02.05 on EGJ (MP). Thurs.: 03.25–03.50 on FJP (Q).

N.; Commentaries: Afrikaans: W.: 17.31, (BE(CD)) **Arabic:** W. 16.32 (BE(CD)) – **Dutch:** Sun.: 10.15, (BE(CA)) 13.00 (BE(CA)), 18.00, (BE(CM)), 23.00, EJG (MP), W.: 09.45 (BE(CA)), 13.00 (BE(CA)), 18.00 (BE(CM)), 22.00, (EF(BJ)), 23.00 ,(EGJ(MP)), **English:** W.: 09.00 (BE(CA)), 15.45 (BE(CA)), 21.15 (EFJ(M)). 02.30 (D. exc. Mo.) (FJP(Q). – **Indonesian:** D. 12.02 (BE(CA)). – **Spanish:** W. 20.15 (FLP (Q)), D. exc. Mo. 01.30 (EGJ(MP)), 03.15 (FJP(Q)).

Listeners Request Prgr.:

Afrikaans: Mo. 17.38 (BE(CD)).–**Arabic:** Sat. 16.54 (BE(CD))–**Dutch:** Wed. 10.05 (BE(CA)), 13.20 (BE(CA)), 18.20 (BEQ(CD)), 22.20 (EFJ (M)), 23.20 (EGJ(MP)) – **English:** Tues. 09.10 (BE(CA)), 15.55 (BE (CA)), 21.45 (EFJ(M)), Wed. 02.40 (FJP(Q)). – **Indonesian:** Sat. 12.20 (BE(CA)). – **Spanish:** Tues. 20.25 (ELP(Q)), Wed. 01.40 (EGJ(MP)), 03.25 (FJP(Q)).

Mailbag: *) = fortnightly.

Afrikaans: Mo. 17.38 (BE(CD)). – **Arabic:** Fri. 16.50 (BE(CD)). – **Dutch:** *)Wed. 10.25 (BE(CA)), 13.40 (BE(CA)), 18.40 (BEQ(CD)), 22.30 (EFJ(M)), 23.40 (EGJ(MP)). – **English:** *)Thurs. 09.25 (BE(CA)), 16.10 (BE(CA)), 21.40 (EFJ(M)), *)Fri. 02.55 (FJP(Q)). – **Indonesian:** Sun. 12.42 (BE(CA)). – **Spanish:** Tues. 20.25 (FLP(Q), Wed. 01.40 (EGJ(MP)), 03.25 (FJP(Q)).

PRODUCTION "HAPPY STATION":

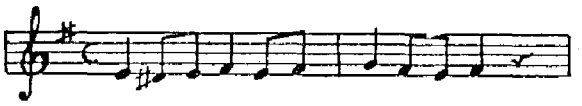
The 4 "Happy Station" Sun. prgrs., 3 in **English** and one in **Spanish** and **Portuguese**, bring a wide range of carefully selected music catering for all tastes. Short features of universal interest, descriptive commentaries and educational quizzes supplement the 90 minute prgrs. In addition each transm. carries an intern. "mailbag" with calls to all parts of the globe. 1958 is the 30th year of the "Happy Station"'s worldwide broadcasting.

The "**Happy Station**" prgrs. every sunday:

10.30–11.58 to F.E., Au., NZ, Eu. on BEQ(AG)
16.00–17.30 to So. As., Af., Eu. on BEQ(DA)
21.30–23.00 to So. Am., Sp. on EGJ(BKP)
02.30–03.55 (Mo.) to No.Am., Ca. on FMP(Q)

ANN.: Dutch: "Hier Radio Nederland in Hilversum". **E.:** "This is the International Service of Radio Nederland in Hilversum, Holland". **Ind.:** "Disini Hilversum, Siaran Indonesia Radio Nederland". – **Sp.:** "Aqui Radio Nederland de Hilversum, Holanda". – **Arabic:** "Huna Hilversum – al-idha'atu'l hulandiya bi'l-lughati'l-Arabiya ".

GENERAL INT.-SIG.: Old Dutch folk-song called: "Merk toch hoe sterck" played on carillon or celesta on all frequencies.



V. by QSL-card. – **PUB.:** Prgr. bulletins in Dutch, E., Sp., Arabic and Ind., a pamphlet on improving s.w. reception in Dutch, Sp. Ind. – Diagram for building a s.w. converter in Dutch, E. All the pub. are sent free of charge on application.

TRANSCRIPTION SERVICE. A free sce. to foreign sts. Issues complete prgs. about Holland, both informative and musical.

★ HUNGARY ★

L.T.: GMT+1 h. (Su.: GMT+2 h.).–L.: Hungarian. Rcvrs.: 1.500.000

MAGYAR RADIO ES TELEVIZIO (Go.).

ADDR.: Brody Sandor-S.n. 5–7, Budapest VIII. – **Cable:** "Magyar-rádió".

L.P.: Pres.: V.Benke. Dep. Pres.: L.Gács. Dir. Prgr.: Dr. T.Csabai. Dir. Adm.: G.Mike. Dir. Tec.: L.Hermann. Editor "Magyar Radio": B.Lévai. Chief. Intern. Dept.: Miss M.Solymár.

HOME SERVICE

R. Kossuth 539 kc/s 556.5 m 135 kW W. 03.30–23.30, Sun. 05.00–23.30
R. Petöfi 872 – 344 – 135 kW W. 05.00–07.00, 13.00–22.00. Sun. 07.00–22.00

Common freq.: 1340 kc/s 223.8 m 5/135 kW. Györ, Miskolc, Nyiregyháza, Pécs, Szolnok.

R. Kossuth: N. Wrp.: W. 03.30, 04.30, 06.00, 09.00, 11.00, 15.00, 17.00, 19.00, 21.00, 23.00. Sun.: 07.00, 11.00, 16.00, 19.00, 21.00. 23.00. – **Extra Wrp.:** W. 15.08, Sun.: 16.08.

R. Petöfi: N.: W.: 13.00, 18.00, 22.00. Sun. 22.00. – **Mbg.: R. Kossuth:** Mo. 15.40, Tues. 09.10, Wed. 14.45. – **R. Petöfi:** Thurs. 18.15. Fri. 16.40. –

Regional Stations ,Relay: 1340 kc/s:

Györ: W. 17.00–18.00. Sun. 08.00–09.00. – **Miscolc, Nyiregyhaza:** 17.00–18.00. Pecz: 16.30–19.00. – **Szolnok:** W. 17.10–18.00.

FM. 89.2 mc/s 3 kW D. 17.00–21.00. Mo.-Fri. also 13.00–15.00.

ANN.: "Kossuth Radio, Budapest". – "Petöfi Radio, Budapest."

FOREIGN SERVICE

STATIONS: 100 kW.
1250 kc/s 240 m – 9833 kc 30.51 m – 7220 kc 41.55 m – 11910 kc 25.19 m.

EUROPEAN SCE.:

English:	kc/s
20.00–20.30	1250, 7220, 9833
22.00–22.30	7220, 9833
11.00–11.30[1])	9833
17.00–17.30[1])	9833
Finnish:	
18.00–18.30	1250, 9833 11910
French:	
19.30–20.00	1250, 9833
13.30–14.00[1])	1250, 9833
German:	
18.30–19.00	1250, 9833 11910
21.00–21.30	1250, 9833, 11910
21.30–22.00[1])	1250, 9833, 11910
Greek:	
17.00–17.30	1250, 9833
11.30–12.00[1])	1250, 7220, 9833, 11910

Hungarian*)	
19.00–19.30[4])	1250, 7220 9833, 11910
14.00–15.00[2])	1250, 7220, 9833, 11910
21.30–22.30[3])	1250, 11910
Italian:	
17.30–18.00	1250, 9833
Spanish:	kc/s
20.30–21.00	7220, 9833
13.00–13.30[1])	7220, 9833
Turkish:	
16.30–17.00	1250, 9833 11910
16.30–17.00[1])	1250, 11910

No. AMERICAN SCE.:

English:	kc/s
00.30–01.00	7220, 9833, 11910
04.00–04.30	7220, 9833, 11910
22.30–23.00 [1])	7220, 11910

Hungarian:

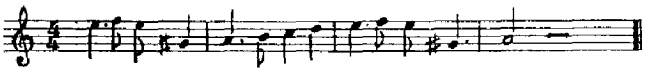
01.00–01.30	1250, 7220, 9833, 11910
23.30–00.30[5])	1250, 7220, 9833, 11910

LATIN AMERICAN SCE.:

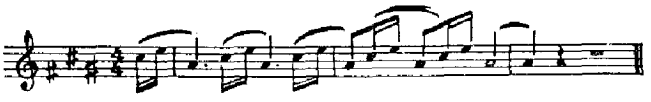
Spanish:	kc/s
01.30–02.00	9833

*) "Greetings from home and afar." – [1]) Musical prgr.'s Sun. only. – [2]) Sun. only. – [3]) Wed. only. – [4]) "Our native land" – [5]) Sun. & Wed. only.

INT.-SIG.: R. Kossuth:



R. Petöfi:



Foreign Service: Old Hungarian folksong »From the Tisza, past the Danube«.

V. by QSL-card and letter. – **PUB.:** "Magyar Radio" (weekly); "Musical Programme" (annually).

★ ICELAND ★

L. T.: GMT + 1 h (Su. = GMT). – **L.:** Icelandic.

ICELAND STATE BROADCAST SERVICE
RIKISUTVARPID (Go.).

ADDR.: Box 1026 Reykjavik. – **Cable:** Utvarp.

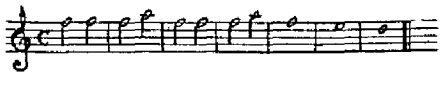
L.P.: Dir. Gen.: V. Th. Gislason. Chairman of Prgr.: Council. M. Jonsson. Dir. Prgr.: A. Bjørnsson. Dir. Adm.: S. Thordarson.

HOME SCE.:
09.00–10.00, 13.00–14.15, 16.30–17.30, 19.30–24.00.

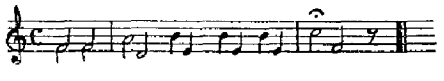
Reykjavik TFU	182 kc/s	1648 m	100 kW		N.: 09.30, 13.25, 16.55, 19.00, 21.00
Eidar TFE	611 –	491 –	5 –	[1])	
Hoefn	665 –	451.2 –	0.7 –	[1])	
Akureyri	737 –	407.1 –	1.5 –	[1])	[1]) Rel. TFU.

FOREIGN SCE.: in Icelandic
Reykjavik TFJ 12175 kc/s 24.64 m 7 kW: D. 21.00–22.00, Sun. also 13.15–14.15 to No.Eu.

ANN.: "Utvarp Reykjavik". – **INT.-SIG.:** Home Sce.:



Foreign Sce.:



V. by QSL-card. Postage requested.

AFRTS (Air Force): KEFLAVIK Airport TFK 1484 kc/s 0.25 kW: **Addr.:** Iceland Air Defense Force, APO 81, New York, N.Y.
D. Prgr.: W. 07.30–01.00. Sun. 09.00–24.00.

★ IRELAND ★

L.T.: GMT (Su.: GMT+1 h.) – **L.:** Irish, English. – **Rcvrs.:** 476,592.

RADIO EIREANN (Go.)

ADDR.: Gen. Post Office, Dublin. – **Cable:** Radioeireann.

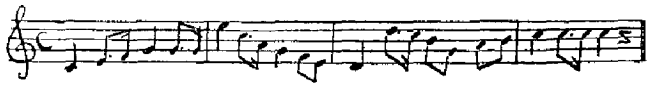
L.P.: Chairman R. Eireann Council: L. Brennan. Dir. Broadc.: M. Gorham. Controller of Prgr.: R. Farren. Adm.: Doherty. Dir. Tec.: J. O' Keefe.

HOME SCE.: W.: 08.00–09.15, 13.00–14.30, 17.00–23.30. Sun.: 10.25–11.15, 12.30–23.30.

Athlone	566 kc/s	530 m	100 kW –	Dublin 1250 kc/s 240 m 5 kW
Cork	1250 –	240 –	5 –	

N., Wrp.: English: 08.00 (W), 09.00 (W), 13.30 (W), 18.30, 22.15. – **Irish:** 18.00, 22.00 (W).
Wrp.: Sun. 10.25. – **Irish Music:** Sat. 20.30–21.00. – **Request:** (Hospitals) Wed.: 13.00–13.30, 13.45–14.30.

ANN.: "Radio Eireann." – **INT.-SIG.:** Musical Box playing 4 bars of Irish Air "O Donnell Abu". – **V.** by letter.



★ ITALY ★

L.T.: GMT+1 h. – **L.:** Italian. – **Rcvrs.:** 6.400.000.

RAI – RADIOTELEVISIONE ITALIANA
(State Service granted by public act to RAI)

ADDR.: Via dei Babuino 9, Roma. – **Cable:** "Raidirro".

L.P.: Pres.: Prof. Antonio Carrelli. Vice Pres.: Hon. Luigi Bennani. Man. Dir.: Ing. Marcello Rodino. Dir. Gen.: Dr. Rodolfo Arata. Vice Dir. Gen.: Dr. Marcello Bernardi. Gen. Secretary (Dir. Foreign Rel.): Dr. Gian Franco Zaffrani. Dir. Adm.: Dr. Bruno Vasari. Dir. Prgr.: (Radio): Maestro Giulio Razzi. Subdir. of Prgr.: (Radio): Maestro Mario Labroca. Dir. Prgr. (TV): Dr. Sergio Pugliese. Dir. Radio News: Dr. Antonio Piccone Stella. Tec. Dir. (Radio): Eng. Gino Castelnuovo. Dir. Tec. (TV): Eng. Sergio Bertolotti. Co-Dir. Gen. Aff.: Dr. Luigi Beretta, Dr. Pio Casali. Chief Pers.: Dr. Pier Antonio Milone. Directors "Radiocorriere": Eng. Vittorio Malinverni, Dr. Eugenio Bertuetti.

HOME SEC.: No powers indicated owing to pending changes.

M. Wave Stations	Nat. prgr. kc/s	2 prgr. kc/s	3 prgr. kc/s
Aosta 1)		1115	
Alessandria 1)		1578	
Biella 1)		1578	
Cuneo 1)		1578	
Torino 1)	656	1448	1367
Como 2)		1578	
Milano 2)	899	1034	1367
Sondrio 2)		1578	
Bolzano 3)	656	1484	1367
Bressanone 3)		1578	
Brunico 3)		1578	
Merano 3)		1578	
Trento 3)	1331	1578	
Belluno 4)		1578	
Cortina 4)		1578	
Venezia 4)	656	1034	1367
Verona 4)	1484	1578	1367
Vicenza 4)		1578	
Gorizia 5)		1484	
Trieste 5)	818	1484	1578
Udine 5)	1331	1448	
Trieste A 5) (autonomous in Slovene)	980		
Genova 6)	1331	1034	1367
La Spezia 6)	1484		
Savona 6)		1578	
S. Remo 6)		1448	
Bologna 7)	1331	1115	1367
Arezzo 8)		1578	
Carrara 8)	1578		
Firenze 8)	656	1448	1367
Livorno 8)			1578

M. Wave Stations	Nat. prgr. kc/s	2 prgr. kc/s	3 prgr. kc/s
Pisa 8)		1115	1578
Siena 8)		1578	
Perugia 9)	1578		
Terni 9)	1578		
Ancona 10)	1578	1448	
Ascoli 10)		1578	
Roma 11)	1331	845	1367
Aquila 12)	1484	1578	
Campobasso 12)		1578	
Pescara 12)	1331	1034	
Teramo 12)		1578	
Avellino 13)		1484	
Benevento 13)		1578	
Napoli 13)	656	1034	1367
Salerno 13)		1578	
Bari 14)	1331	1115	1367
Brindisi 14)		1578	
Foggia 14)		1578	
Lecce 14)	1578	1484	
Taranto 14)	1578		
Potenza 15)	1484	1578	
Catanzaro 16)	1578	1484	
Cosenza 16)	1578	1484	
Reggio C. 16)	1331		
Agrigento 17)		1578	
Catania 17)	1331	1448	1367
Caltanissetta 17)	566	1448	
Messina 17)		1115	1367
Palermo 17)	1331	1448	1367
Cagliari 18)	1061	1448	
Sassari 18)		1448	

FM Stations	Nat. prgr. mc/s	2 prgr. mc/s	3 prgr. mc/s
Aosta 1)	93.5	97.6	99.7
Candoglia 1)	91.1	93.2	96.7
Courmayeur 1)	89.3	91.3	93.2
Plateau Rosa 1)	94.9	96.9	99.1
Premeno 1)	91.7	96.1	99.1
Torino 1)	98.2	92.1	95.6
Sestriere 1)	93.5	97.6	99.7
Villar Perosa 1)	92.9	94.9	96.9
Bellagio 2)	91.1	93.2	96.7
Como 2)	92.2	95.3	98.3
Milano 2)	90.6	93.7	99.4
Monte Creó 2)	87.9	90.1	92.9
Monte Penice 2)	94.2	97.4	99.9
Sondrio 2)	88.3	90.6	95.2
S. Pellegrino 2)	92.5	95.9	99.1
Stazzona 2)	89.7	91.9	94.7
Bolzano 3)	95.1	97.1	99.5
Maranza 3)		91.1	
Paganella 3)	88.6	90.7	92.7
Plose 3)	90.3	93.5	98.1
Rovereto 3)	91.5	93.7	95.9
Asiago 4)	92.3	94.5	96.5

FM Stations	Nat. prgr. mc/s	2 prgr. mc/s	3 prgr. mc/s
Col Visentin 4)	91.1	93.1	95.5
Cortina 4)	92.5	94.7	96.7
Monte Venda 4)	88.1	89.9	89.0
Pieve di Cadore 4)	93.9	97.7	99.7
Gorizia 5)	89.5	92.3	98.1
Tolmezzo 5)	94.4	96.5	99.1
Trieste 5)	91.3	93.5	96.3
Udine 5)	95.1	97.1	99.7
Bordighera 6)	89.0	91.1	95.9
Genova 6)	89.5	94.9	91.9
La Spezia 6)	89.0	93.2	99.4
Monte Beigua 6)	94.5	91.5	98.9
Monte Bignone 6)	90.6	93.2	97.5
Polcevera 6)	89.0	91.1	95.9
Bologna 7)	90.9	93.9	96.1
Carrara 8)	91.3	93.5	96.1
Garfagnana 8)	89.7	91.7	93.7
Lunigiana 8)	94.3	96.9	99.1
M. Argentario 8)	90.1	92.1	94.3
Monte Serra 8)	88.5	90.5	92.9
S. Cerbone 8)	95.3	97.3	99.3
Monte Peglia 9)	95.7	97.7	99.7

FM Stations	Nat. pr.gr. mc/s	2 pr.gr. mc/s	3 pr.gr. mc/s	FM	Nat. pr.gr. mc/s	2 pr.gr. mc/s	3 pr.gr. mc/s
Spoleto 9)	88.3	90.3	92.3	M. Caccia 14)	94.7	96.7	98.7
Terni 9)	94.9	96.9	98.9	M. Sambuco 14)	89.5	91.5	93.5
Ascoli Piceno 10)	89.1	91.1	93.1	M. S. Angelo 14)	88.3	91.9	93.9
Monte Conero 10)	88.3	90.3	92.3	Lagronegro 15)	89.7	91.7	94.9
Monte Nerone 10)	94.7	96.7	98.7	Pomarico 15)	88.7	90.7	92.7
Campo Catino 11)	95.5	97.3	99.5	Gambarie 16)	95.3	97.	399.3
Monte Favone 11)	88.9	90.9	92.9	Monte Scuro 16)	88.5	90.5	92.5
Roma 11)	89.7	91.7	93.7	Roseto Capo Spulico 16)	94.5	96.5	98.5
Terminillo 11)	90.7	94.5	98.1	M. Cammarata 17)	95.9	97.9	99.9
C. Imperatore 12)	97.1	95.1	99.1	M. Lauro 17)	94.7	96.7	98.7
Pescara 12)	94.3	96.3	98.3	M. Soro 17)	89.9	91.9	93.9
Sulmona 12)	89.1	91.1	93.1	Palermo 17)	94.9	96.9	98.9
Teramo 12)	87.9	89.9	91.9	M. Limbara 18)	88.9	95.3	99.3
Golfo Salerno 13)	95.1	97.1	99.1	M. Serpeddi 18)	90.7	92.7	96.3
Monte Faito 13)	94.1	96.1	98.1	P. Badde Ur 18)	91.3	93.3	97.3
Monte Vergine 13)	87.9	90.1	92.1	Sassari 18)	90.3	92.3	94.5
Napoli 13)	89.3	91.3	93.3				
Martina Franca 14)	89.1	91.1	93.1				

1) Piemonte. 2) Lombardia. 3) Trentino Alto Adige. 4) Veneto. 5) Venezia, Giulia, Friuli. 6) Liguria. 7) Emilia, Romagna. 8) Toscana. 9) Umbria. 10) Marche. 11) Lazio. 12) Abruzzi, Molise. 13) Campania. 14) Puglia. 15) Basilicata. 16) Calabria. 17) Sicilia. 18) Sardegna.

Short Waves.

Nat. Prgr. Caltanissetta 6060 kc/s 49.50 m 9515 kc/s 31.35 m
2. Prgr. Caltanissetta 7175 kc/s 41.81 m
3. Prgr. Roma 3995 kc/s 75.09 m

D. PRGR.:

National Prgr.: D. 05.40–23.00. – **N.:** 06.00, 07.00, 12.00, 13.00, 19.30, 22.15. – **Religious:** Sun. 06.30 (Evangelistic), 08.00 (Music), 08.30 Mass from R. Vaticana.

2. Prgr.: D. 06.30 (Sun. 06.50)–22.30. – **N.:** 06.30 (W), 12,30, 14.00 (W), 19.00 (W), 22.15 (W). – **Wrp.:** 14.00.

3. Prgr.: W. 18.00–23.00, Sun. 14.30–17.00, 18.00–23.00.

N.: D. 20.00.

Night Prgr. (Notturno dall'Italia): 22.35–05.40.

Music followed by newscasts in Italian, French, English, German from R. Roma 2 on 845 kc/s.

ANN.: "RAI – Radiotelevisione Italiana – Stazioni del (Programma Nazionale, Secondo Programma, Terzo Programma)". Night Progr.: "RAI – Radiotelevisione Italiana – Stazione di Roma 2 che trasmette sulla lunghezza d'onda di m. 355 pari a kc/s 845. – "Notturno dall' Italia". – **INT.-SIG.:** Bird chirping. – **V.** by QSL-card.

FOREIGN SERVICE

Radio Roma 50/60/100 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5960	50.34	9575	31.33	11905	25.20	17740	16.91
6010	49.92	9630	31.15	15120	19.84	17770	16.88
6060	49.50	9710	30.90	15325	19.58	17800	16.85
7275	41.24	11800	25.42	15400	19.48	21560	13.91
7290	41.15	11810	25.40				

EUROPEAN SERVICE "Rome calling Europe"

Albanian kc/s
13.30–13.45 7290, 9575
17.45–18.00 6010, 9575
Bulgarian
20.55–21.15 6010, 7290, 9575
Czech
13.15–13.30 6010, 9630, 11810
18.25–18.35 5960, 7275, 9710
20.25–20.40 5960, 7275
Danish/Swedish/Italian*
17.35–17.55 5960, 7275, 9710
English
18.00–18.20 6010, 9575
French
18.20–18.40 6010, 9575
German
13.30–13.45 6010, 9630, 11810
18.10–18.25 5960, 7275, 9710 for Austria
20.40–21.00 5960, 7275
Greek
19.05–19.25 5960, 7275
Hungarian
13.15–13.30 7290, 9575
21.35–21.55 6010, 7290, 9575
Lithuanian
19.50–20.10 5960, 7275
Polish kc/s
13.00–13.15 6010, 9630, 11810
17.35–17.45 6010, 9575
20.10–20.25 5960, 7275
Portuguese
21.30–22.00 5960, 7275
Roumanian
13.00–13.15 7290, 9575
20.35–20.55 6010, 7290, 9575
Russian
03.30–03.45 6010, 7275, 9575, 9630, 11810
Serbian
21.15–21.35 6010, 7290, 9575
Slovak
13.45–14.00 6010, 9630, 11810
21.00–21.15 5960, 7275
Slovene
13.45–14.00 7290, 9575
Spanish
22.00–22.25 5960, 7275
Turkish
19.25–19.50 5960, 7275
Ukrainian
18.40–19.00 6010, 9575
Belgium/Esperanto/English & French**
17.55–18.10 5960, 7275, 9710

* **Danish:** Tues., Thurs., Sat.; **Swedish:** Mo., Wed., Fri.; **Italian:** Sun.
** For Belgium (F.) Sat.; **Esperanto:** Tues., Wed., Fri. – **English & French:** Mo., Thurs.

GENERAL OVERSEAS SERVICE

AU, NZ .PACIFIC
English kc/s
09.00–09.40 15325, 17800, 21560
Italian
06.50–07.45 11905, 15325, 17740 17800, 21560
20.00–20.30 9575, 9710, 11810
22.00–22.25 9575, 9710, 11810

SO. EA. ASIA & THE FAR EAST
Chinese
09.45–10.05 15120, 17800
English, French
10.40–11.20 15400, 17770, 21560
Indonesian
09.45–10.05 15325, 17770, 21560
Japanese
10.10–10.35 15120, 15325, 17770 17800, 21560

SO. ASIA
Hindi
15.15–15.30 11905, 15325, 15400 17770, 21560
Urdu
14.50–15.05 11905, 15325, 15400 17770, 21560
Bengali
15.05–15.15 11905, 15325, 15400 17770, 21560

AFRICA & NEAR EAST
Arabic
06.30–06.45 6010, 9575, 11905 15400, 17800
11.25–12.00 9710, 11810, 15325 15400, 17800
19.05–19.55 6010, 9575, 11810
English
09.20–09.40 11905, 15120
French
09.00–09.20 11905, 15120
Italian kc/s
10.40–11.20 15325, 17800
16.00–17.30 9575, 11810, 15325 17770, 21560
Persian
14.25–14.45 11905, 17770

SOUTH AFRICA
English
15.35–15.55 17770, 21560

C. & S. AMERICA
Italian
18.40–19.00 15325, 17770, 21560
Portuguese
00.30–00.50 9630, 9710, 11810
Spanish
00.50–01.10 9630, 9710, 11810
03.05–03.25 9630, 9710, 11800

N. AMERICA
English
00.30–00.50 11905, 15400
03.05–03.25 9575, 11905
French
00.50–01.10 11905, 15400
Italian
22.30–00.30 9630, 9710, 11810 11905, 15400
01.15–03.05 9575, 9630, 9710 11800, 11905

SPECIAL PRGR'S ITALIAN
Press Review, News
07.50–08.05 11905, 15325, 17740 17800, 21560
15.35–15.55 6010, 7290, 11810
Dictation News
08.05–08.55 11905, 15325, 17740 17800, 21560
14.05–14.45 15325, 17800, 21560
Sport (Sun. only)
14.55–16.05 15325, 17740, 17770 17800, 21560

ANN.: I.: "Qui la Radio Italiana che vi parla da Roma, che trasmette sulla lunghezza d'onda di...programma per...", and in the languages of the countries to which the transmission is dedicated.
INT.-SIG.: Bird chirping. – **V.** by QSL-card.

★ LUXEMBOURG ★

L.T.: GMT + 1 h. – **L.:** Luxembourgian, French, Flemish, English, German. – **Rcvrs.:** 85.722.

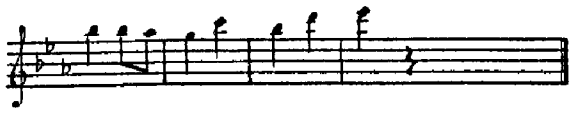
RADIO LUXEMBOURG (Comm.-Priv.)
ADDR.: Compagnie Luxembourgeoise de Télédiffusion, Villa Louvigny, Luxembourg. – **Cable:** "Radio Luxembourg". – **L.P.:** Dir. Gen.: M. Felten, J. du Closel. Dir. Prgr.: J. Luc. Secr. Gen.: G. Graas.
STATIONS: R. Luxembourg I and II:
I 233 kc/s 1287 m 500 kW d. – 6090 kc/s 49.26 m 50 kW*)
II 1439 – 208 – 350 – d. – 15350 – 19.54 – 5 –
FM: 88.9 mc/s 0.25 kW. *) Relay of 1439 kc/s.

HOME SERVICE in Luxembourgian:
D. 17.00–18.00. Sun. also 13.00–14.00 on 1439 kc/s.
Nat. Music: D. exc. Wed., Thurs.: 17.00–17.30 (Mo., Sun. 17.50). – **N.:** Sun. 17.30, Mo., Tues., Thurs., Sat. 17.40, Wed. 17.45, Fri. 17.50. **Mbg.:** Sun. 13.00–14.00, Wed. 17.00–17.45, Thurs. 17.00–17.20.

FOREIGN SERVICE
On 233/15350 kc/s: 04.45–23.00 in French, German, Hungarian, Polish:
N. French: W.: 05.25 (exc. Mo.), 05.40 (Mo.), 06.40 (exc. Wed.), 06.47 (Wed.), 07.30 (exc. Mo.), 12.00, 17.56, 18.15, 21.55 (exc. Sat.), 22.55. Sun.: 07.00, 08.00, 12.00, 18.15, 21.00. **German:** D. exc. Mo. 05.00. – **Mbg. French:** Sun. 20.25. – **Prgr's in German:** 04.45–05.00 (Tues., Thurs., Sat.), 05.05–05.20 (Wed., Thurs., Fri.), 05.19–05.35 (Mo.), 05.40–05.55 (Sun.). – **Hungarian:** 05.05–05.20 (Sat.). – **Russian:** 05.05–05.20 (Tues.).
On 1439/6090 kc/s: **Flemish** 05.30–13.00, **German** 13.00–15.00, **English** 18.00–23.00.
N. Flemish: 05.45 (W), 06.45, 11.50. – **Mbg. Flemish:** D. 06.00, Mo., Wed., Thurs., Sat. 10.00–11.00, Tues., Fri. 10.15–11.00. **English:** W. 18.00–19.00. Sun. 19.30–20.00.

ANN.: **F.:** "Ici Radio Luxembourg". **E.:** "Here Radio Luxembourg". **Fl.:** "Hier is Radio Luxembourg". **Luxembourgian:** "Hei ass Radio Letzeburg". **G.:** "Hier Radio Luxembourg".

INT.-SIG.: Melody played on piano: A Luxembourgian popular song



V. by letter. – **PUB.:** "Radio Magazine" (for French listeners) and "Notre Radio" (for Belgian listeners) are distributed free of charge to members of "Association des Amis de Radio-Luxembourg". "208 and View" is a weekly progr. journal, for sale in England.

★ MADEIRA (Portuguese) ★

L.T.: GMT+1 (Su. GMT). – **L.:** Portuguese. –

EMISSORA NACIONAL see Portugal (Go.).

RADIO CLUB DE MADEIRA (Pr.).
ADDR.: S. Martinho, Funchal. – **L.P.:** Dir.: M. P. Ribeiro.
HOME SCE.: CBS90 1484 kc/s 202 m 1 kW:
13.30–15.30. 20.00–02.00.
N.: Wed. 22.45. – **Wrp.:** D. 22.30.
ANN.: "Ouvem a Estaçao o seu emissor de onda média, CSB90, no comprimento de onda de 202 m frequencia de 1484 kc/s". – V. by QSL-card.

RADIODIFUSAO DE FUNCHAL (Pr).
1594 kc/s 188.2 m 0.15 kW:
W: 13.30–17.00, 21.00–02.00. Sun. 11.30–13.30, 15.00–02.00.

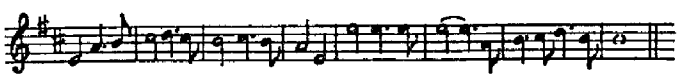
★ MALTA (British) ★

L.T.: GMT+1 h. – **L.:** English, Maltese. – **Revrs.:** 46.200.
REDIFFUSION (MALTA) LTD: (Pr.Com.).
ADDR.: Rediffusion House, 135 Britannia Str., Valetta: **Cable:** Rediffusion. **L.P.:** Gen. Mgr.: E. A. Hamilton Hill. Ass. Gen. Mgr.: G. A. Slater. Dir. Prgr.: G. Bonnus. Dir. Adm.: Major L. A. Pace Bonello. Dir. Tec.: Th. Shears. – **D.PRGR.:** 06.00–23.00. **Prgr. I:** BBC. Gen. Overseas Sce. – **Prgr.: II** Form studio (in Maltese): Nat. Music: Sun. 07.00; **N.:** 17.30. **Mbg.:** Mo. 19.45.

★ MONACO ★

L.T.: GMT+1 h. – **L.:** French. – **Revrs.:** 4.500.

RADIO MONTE-CARLO (Comm.).
ADDR.: 16, Boulevard Princesse Charlotte, Monte Carlo. – **Cable:** Radio Monte Carlo. – **L.P.:** Pres. of Adm. Council: C. C. Solamito. Dir. Gen.: R. Schick. Comm. Dir.: R. H. Dogor. Chief Comm. Sce.: E. Bosio. Dir. Tec.: G. Auvray. Dir. Prgr.: J. Antoine. Dir. Adm.: Fr. de la Panouse. Dir. Inf.: Ph. Fontana.
STATIONS: "Radio Monte Carlo":
3AM2 1466kc/s 120kW – 3AM4 7140kc/s 42.02m 30kW. 3AM3 6035 kc/s 49.71 m 30 kW.
HOME SCE.: (all freq.): D. 05.57–23.02 (Mo., Sat. 24.00). – **N.:** From 06.00–18.00 every h. om the h. and 18.45, 21.00, 22.00, 23.00. – **"Magazine Radiophonique":** 06.00, 10.30 (W), 17.20 (W) – **Sport:** Sun. 14.00. **Opera:** Mo. 20.40. – **Symphony:** Wed. 21.05.
FOREIGN SCE. (all freq.): Religious: English: Tues., Thurs., Sat.: 22.05. – **German:** Fri.: 22.20. – **Italian:** Fri. 05.35. – **Spanish:** Fri. 22.05.
ANN.: "Ici Monte Carlo." – **INT.-SIG.:** The first movements of "L'Hymne National Monégasque":



V. by QSL-card. – **F.PL.:** m.w. increase of power.

★ NORWAY ★

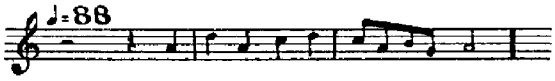
L.T.: GMT+1 h. – **L.:** Norwegian. – **Revrs.:** 975.023.

NORSK RIKSKRINGKASTING (Go.).
A non-commercial enterprise operated by an independent organization.
ADDR.: Bj. Björnsonsplass 1, Oslo. – **Cable:** Studio, Oslo.
L.P.: Dir.: K. Fostervoll, Dir. Prgr. Th. Diesen. Dir. Adm.: K. Tvedt. Dir. Tec.: Chr. Vibe. Chief Secr.: O. Lid. Studio-Controller: A. Klæbo. Prgr. Editors: Toralv Øksnevad, Carl C. Lyche, Fr, Chr. Wildhagen. L. Rustad. Dir. Music: K. Lange. Dir. Plays; H. Heiberg. Editor "Programbladet": E. Strand. Dir. Shortwave Prgr.: G. Nygaard.

HOME SERVICE: Mo.–Fri. 05.40–08.00, 10.20–13.00, 15.30–22.00. Sat.: 05.40–08.20, 10.20–13.00, 15.00–22.30. Sun.: 07.00–14.45, 15.00–22.15.

L.-M. Waves:	kc/s	m	kW		kc/s	m	kW
Alta	1115	269	0.25	Narvik	1466	205	1
Arendal	1115	269	0.25	Nordkapp	1578	190	2
Bergen I	890	337	20	Notodden	1115	269	1
Bergen II	1115	269	1	Odda	1466	205	0.25
Bodö	674	445	10.	Oslo	218	1376	200
Brönnöysund	1484	202	0.25	Porsgrunn	1466	205	1
Finnmark	701	428	20	Rjukan	1484	202	0.25
Fredrikstad	1578	190	10	Röros	1115	269	0.25
Geilo	1466	205	0.25	Sandnessjöen	1466	205	0.25
Glomfjord	1484	202	0.25	Stavanger	1313	228	100
Kristianssand	890	337	20	Sulitjema	511	587	0.25
Lista	1115	269	0.3	Svalbard	1466	205	1
Mo i Rana	1115	269	0.025	Tromsö	155	1935	10
Mosjöen	1484	202	0.025	Tröndelag	890	337	20
Namsos	1115	269	1	Vigra	629	477	100

FM: Bjerkreim 90.6 mc/s 60 kW. – Bremanger 93.6 mc/s 15 kW. – Gulen 90.9 mc/s 15 kW. – Hovdefjell 87.8 mc/s 15 kW. – Lyngdal 97.6 mc/s 12 kW. – Stord 91.8 mc/s 60 kW. – Tryvashögda* 93.5 mc/s 3 kW. – Voss 90.3 mc/s 8 kW. – * Testtransmissions.
Rediffusion (1000 m.) Opdal 0.25 kW. – Åndalsnes 0.25 kW. – Åseral 0.25 kW. – Aröy 0.65 kW. – Sulitjelma 0.25 kW. – Langerak 0.6 kW.
N.: 05.40 (W), 07.00 (W), 08.00 (Sun.). 12.00, 18.05, 21.10. – **Wrp.:** 05.40, (W.), 07.00 (W.). 08.00 (Sun.), 12.00, 18.00, 21.00.
Bergen I (337 m, Voss FM, Odda 205 m, Åröy 1000 m): Mo.–Fri. 15.10–15.30: Information.
Bergen II Local: D. 16.00–17.30 (Sun. 17.45).
North Norwegian Prgr.: Local: Tues., Wed., Thurs., Sat. 13.00–13.15. This prgr. is broadcast by the stations: Brönnöysund, Sandnessjöen, Mosjöen, Mo i Rana, Sulitjelma, Bodö, Narvik, Glomfjord, Tromsö, Alta, Nordkapp, Finnmark.
Samisk from Tromsö, Alta, Nordkapp, Finnmark: Tues. 13.10–13.40, Sat. 13.30–14.00.
ANN.: "Dette er Norsk Rikskringkasting". **In Samisk:** "Dat la Norga Rikaradio, Tromsast. Di gullabetet Samgial programa". – **INT.-SIG.:**



FOREIGN SERVICE:
Frequencies that may be used during the year. Transmitters: Fredrikstad 100 kW (1), 10 kW (2), 5 kW (one, 13 m only), Tromsö 10 kW (1).

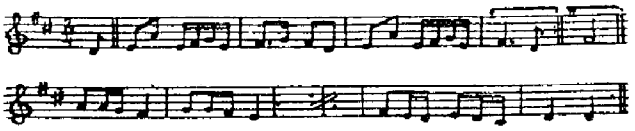
Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
LKF	1578	190.1	LLD	9550	31.41	LLM	15175	19.77
LKJ	6130	48.94	LLG	9610	31.22	LKW	17755	16.90
LLI	6185	48.50	LLH	9645	31.10	LLN	17825	16.83
LLS	7210	41.61	LKQ	11735	25.56	LLP	21670	13.85
LLR	7240	41.44	LLK	11850	25.32	LLQ	21730	13.81
LKJ2	9540	31.45	LKV	15170	19.78	LLA	25900	11.58

a: Home Sce. b: For Norwegians abroad. c: Weather at Sea (in Norwegian only). d: Norway this week.

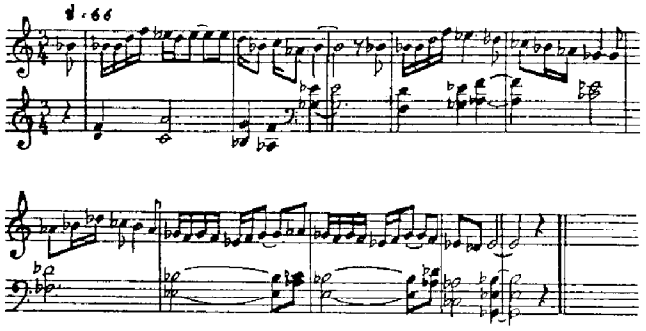
W. 06.30–07.35 a Sun. 07.15–09.55 a	Eu., Af., M.So. Atl.	11735, 15175, 17825 21670, 25900.
W. 10.25–10.35 c	No. M. Atl.	11735, 15175, 21670
11.00–12.00 b 12.00–12.20 a Sun. 12.00–12.25 d	F.Ea., Jap., N.Z., E.Au., N.Am.	11735, 15175, 17825 21670, 25900.
13.00–14.00 b Sun. 14.00–14.20 d	Indian Ocean, We.Au., No.Am.	11735, 15175, 17825 21670, 25900.
16.00–17.00 b Sat. 17.00–18.00 a (Childrens hour) Sun. 17.00–17.20 d	Mediterranean, Af., No.Mid., Atl., No. Am.	11735, 15175, 17825 21670, 25900.
18.00–22.00 a	Eu., Af., No.Mid.,Atl.	11735, 15175, 17825 21670, 25900.
22.55–23.00 c 23.00–24.00 b M. 24.00–00.20 d	Eu., Af., No.Mid.,Atl. S.Am.	11735, 15175, 17825 21670, 1578.
00.55–01.00 c	No.Mid. Atl.	11735, 15175, 17825 1578.
01.00–02.00 b Mo. 02.00–02.20 d	No.Am., No.Atl.	11735, 15175, 17825 1578.
03.55–04.00 c 04.00–05.00 b Mo. 05.00–05.20 d	No.Mid. Atl. No.Am., We. Coast, Pa. Sa.Af.	11735, 15175, 17825 21670, 1578.

Prgr. for Norwegians abroad: Sun.: Religious Sce., Sport, L.N. – Mo.: Sport N., L.N., Parliament N. – Tues.: Answers to letters from

listeners. L.N.–Wed.: Request Prgr. (music), L.N. – Thurs.: World N., L.N. – Fri.: Missionary N., L.N. – Sat.: Letter Box, L.N.
For Norwegian Seamen in the No. Atlantic and No. Sea:
Tromsö S.W. Tr. broadcasts daily the entire Home Sce. on 17755 kc/s.
ANN.: "This is Radio Norway with its short wave service for Norwegians abroad".
INF.-SIG.: Every s.w. transmission is introduced by the following theme, with originates from an ancient folk tune from Hallingdal;



Five minutes previous to every s.w. tr. the following signal is sent:



Message to our English-speaking audience: In our daily special prgrs. for Norwegians abroad we will usually have a section of Norwegian music or music presented by Norwegian artists. This musical section, which last 15 to 20 munutes, is introduced in English as well as in Norwegian. On Wed. and Sat. you can listen to our **"Lettre Box Programme"**, in which we play our listener's request records. We often receive letters from listeners in Norway with request to play a record with a greeting to one of their relatives abroad, but we regret to be unable to comply with these requests.
Every Sunday we have an additional programme in English, "Norway this week", in which we try to present Norway in different ways through music and feature programmes. We are very grateful for comments on our transmissions. Reports are answered by QSL-card. Return postage is not necessary. Our postal address is: RADIO NORWAY, Oslo, Norway.
PUB.: Programbladet (weekly).

NOREA RADIO (Nordic Radio Evangelistic Association).
ADDR.: Grensen 19, Oslo. – **L.P.:** Dir. T.Vågen. Dir. Prgr.: M. Leine. Tec.: Åge Newland. – **D.Prgr.:** D. 17.30–18.00 on 9335 kc/s **The Voice of Tangier.** – **V.** by QSL-card.

★ POLAND ★

L.T.: GMT+ 1 h. (Su.+2) – **L.:** Polish. – **Rcvrs.:** 3.971.104.
POLSKIE RADIO (Go.).
ADDR.: Komitet do Spraw Radiofonii "Polskie Radio", Noakowskiego 20, Warsaw. – **Cable:** "Polskieradio". – **L.P.:** Pres. W. Sokorski. Vice Pres., Home Sce.: H. Werner. Vice-Pres., Foreign Sce.: Uzdánski. Vice-Pres., Artistic Prgr. and T.V.: T. Galinski. Vice-Pres., Chief-Eng.: W. Cetner. Dir. Foreign Relations: Mme Zebrowska.
HOME SERVICE:

	kc/s	m	kW		kc/s	m	kW
Warszawa I	227	1322	500	Koszalin	1484	202	1
Wroclaw	737	407	50	Olsztyn	1484	202	1
Poznan	737	407	300	Kielce	1484	202	1
Warszawa II	818	367	150	Bygdgoszcz	1484	202	1
Katowice	1079	278	60	Jelenia Góra	1484	202	1
Szczecin	1304	230	50	Zakopane	1484	202	1
Gdánsk	1304	230	30	Kraków	1502	197.7	60
Zielona Góre	1304	230	25	Rzeszów	1502	200	30
Torun	1367	219	26	Bialystok	1594	188.2	30
Lódz	1484	202	10	Lublin	1594	188	1
Opole	1484	202	0.5				

FM: Warszawa 9 kW. Opole and Katowice 3 kW.
Prgr. 1: 227 kc/s W. 03.57–22.10 (Sat. 22.40) Sun. 05.00–22.40.
Prgr. 2: 818 kc/s W. 03.57–11.20 (Sat. 11.25), 14.05–23.00 (Sat. 24.00) Sun. 04.30–23.00.
Prgr. 3: FM: W. 03.57–11.20 (Sat. 11.25), 14.05–19.35 (Thurs. 19.30), 20.00–22.00. Sun. 04.30–19.25, 20.00–22.00.
NAT. MUSIC.: Chopin Concerts Prgr. I: Sun. 15.00 Prgr. II: Wed. 20.00. Sat. 09.30. – **N., Commentary:** Prgr. I: W. 04.00, 05.00, 06.00, 07.00, 07.30, 11.04, 14.00, 18.00, 19.00, 20.00, 22.00. Sun: 05.30, 06.30, 07.30, 18.00, 20.00, 22.00. – Prgr. II: W. 04.00, 05.00, 06.00, 07.00, 07.30, 11.04, 15.00, 17.30, 19.00, 22.50. Sun. 05.00, 06.00, 07.00, 15.00, 19.00, 22.50. – **L.L: English: Prgr. I:** Mo., Wed. 16.00. **Prgr. II:** Tues., Thurs. 09.00. – **Russian: Prgr. I:** Tues., Fri. 16.00. **Prgr. II:** Mo., Wed. 09.00. – **Wrp.: Prgr. I:** W. 04.00, 05.00, 06.00, 07.00, 20.00. Sun.: 04.30, 06.30, 07.30, 20.00. **Prgr. II:** 04.00, 05.00, 06.00, 07.00, 07.30, 19.00. Sun.: 05.00, 06.00, 07.00, 19.00.

FOREIGN SERVICE:

kc/s	m	kc/s	m	kc/s	m	kc/s	m
17800	16.85	11755	25.52	9555	31.40	6105	49.14
15120	19.84	11740	25.55	9540	31.50	737	407
11945	25.12	9615	31.20	9525	31.50	227	1322
11775	25.48	9600	31.25				

EUROPEAN SERVICE:

Danish: kc/s
17.00–17.25 11775, 9615
20.30–21.00 11945, 9540, 737
English:
06.30–07.00 11945, 11775, 9540, 737
18.30–19.00 11775, 9555, 6105
19.30–20.00 9525, 737
20.30–21.00 9525
21.30–22.00 9525
22.30–23.00 11775, 9615, 9555
Finnish:
09.00–10.00 9615 (Sun. only)
16.00–16.30 9525, 9555, 61,05 737
17.30–17.55 11775, 9615
19.30–19.55 11775, 9615
French:
06.00–06.30 11945, 11775, 9540
11.45–12.00 11740, 9525
17.30–18.00 11945, 9540, 737
20.00–20.30 11945, 9540, 737
21.30–22.00 11945, 9540
German:
05.30–06.00 9555, 6105, 737
17.00–17.30 11945, 9540, 737
18.30–19.00 11945, 9540, 737
19.30–20.00 11945, 9540
21.00–21.30 11945, 9540
21.45–22.15[1]) 227
22.15–22.45[2]) 227
[1]) D. exc. Sat., Sun., Holidays.
[2]) Sat., Sun., Holidays.
Greek:
15.30–16.00 11775, 9615, 737
16.00–16.30 11775, 9615
18.30–19.15 9615
Italian:
18.00–18.25 11775, 9615, 737
20.00–20.30 11775, 9615
21.00–21.30 11775, 9615
22.00–22.25 11775, 9615, 9555
Jewish:
17.00–17.30 9555, 9525, 6105
Polish:
05.30–06.00 11945, 11775, 9540
10.15–10.45 11775, 9600, 9525, 6105
16.30–17.00 11945, 9540, 737
18.00–18.30 11945, 9540
19.00–19.30 11945, 9540
21.00–21.30 9525, 737
Polish children abroad:
16.00–16.30 11945, 9540
Russian:
11.15–11.45 11775, 9600, 9525, 6105
Serbo-Croat:
18.00–18.30 9555, 9525, 6105
Spanish: kc/s
19.00–19.30 11775, 9555, 6105
20.30–21.00 11775, 9615
21.30–22.00 9615
23.00–23.30 6105, 737
23.30–24.00 6105, 737
Swedish:
06.00–06.30 9555, 6105, 737
17.30–18.00 9555, 9525, 6105
19.00–19.30 9525, 737
21.15–21.45[1]) 227
21.45–22.15[2]) 227
[1]) D. exc. Sat., Sun.
[2]) Sat., Sun.
Turkish:
16.30–17.00 9525
18.30–19.00 9525
Concerts:
20.00–21.00 9555, 6105
21.30–22.00 6105, 737
22.00–23.00 11945, 9525

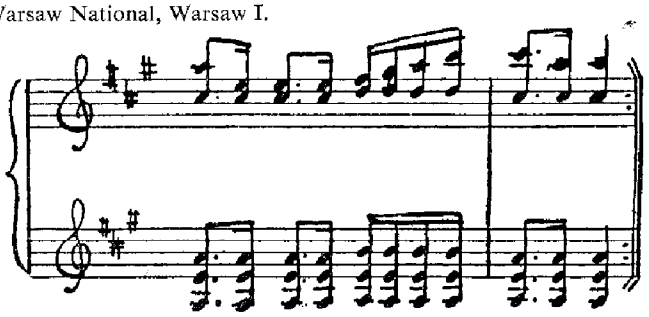
NO. AMERICAN SCE.:

English:
11.00–11.30 15120, 11740
12.15–13.15 15120, 11775, 11740
00.30–01.30 17800, 15120, 11740
02.30–03.00 17800, 15120, 11740
05.30–06.00 15120, 11740
Jewish:
03.00–03.30 17800, 15120, 11740
Polish:
11.30–12.15 15120
01.30–02.30 17.800, 15200 11740
03.30–05.00 17800, 15120, 11740
05.00–05.30 15120, 11740

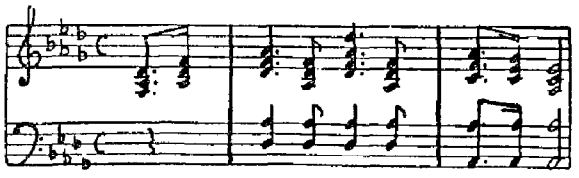
SO. AMERICA SCE:

Polish: kc/s
10.15–10.45 17800
22.15–23.15 17800
23.15–00.15 17800, 15120

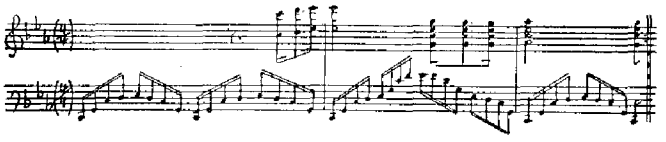
ANN.: Home Sce.: "This is Polskie Radio Warsaw" (for another station when local programme) – "Tu Polskie Radio Warszawa": – **Foreign Sce. English:** "This is Warsaw calling". – **Polish:** "Mówi Warszawa". – **French:** "Ici Varsovie etc." – **INT.-SIG.: Home Sce.:** Warsaw National, Warsaw I.



Warsaw II: First movement of Polonaise in A flat major by Chopin.



Foreign Sce.: Revolutionary Etude by Chopin. – V. by QSL-card.



★ PORTUGAL ★

L.T.: GMT (Su. GMT + 1 h.). – L.: Portuguese. – Rcvrs.: 534.053.

EMISSORA NACIONAL DE RADIODIFUSAO (Go.)

ADDR.: Rua do Quelhas, 2, Lisboa. Cable: "Emissora Lisboa". Emissor Regional do Norte: Rua Candido dos Reis, Porto. – Emissor Regional de Coimbra: Coimbra. – Emissor Regional de Faro: Faro. – Emissor Regional da Guarda: Guarda. – Emissor Regional dos Açores: Ponta Delgada, Açores.

L.P.: Pres.: António d'Eca de Queiroz. Dir. Tec. Eng.: Manuel Bivar. Dir. Adm.: Dr. A. Stichini Villela. Dir. Production: J. Luiz da Silva Dias. Dir. Transmitting Dept.: F. da Cunha d'Eca. Dir. Studios Dept.: H. Leoto Tavares. Dir. License Dept.: J. C. Carrilho. Dir. Foreign Sce.: Tomáz Alcaide.

HOME SERVICE

	kc/s	m	kW	h. of tr.
Guarda	557	539.0	1	13.00-14.00 (g), 18.00–24.00
Lisboa I	665	451.0	135	07.30–10.00 (a), 12.00–15.00 18.00–24.00
Porto I	719	417.0	10	08.00–10.00 (c), 12.00–15.00 18.00–24.00
Lisboa II	755	397.0	135	19.00 24.00 (b)
Faro	1061	283.0	1	08.30–10.00 (e), 12.00–15.00 18.00–24.00
Coimbra	1061	283.0	1	08.30–10.00 (e), 12.00-15.00 18.00–24.00
Elvas	1358	221,0	0.1	18.00-24.00 (f)
Porto II	1367	219.0	1	08.00–10.00 (c), 12.00–15.00 18.00–24.00
Portalegre	1484	202.0	0.1	18.00–24.00 (f)
Covilha	1562	192.0	1	13.00–14.00 (g), 18.00-24.00
Atlantico (Lisboa)	11996	25.01	10	18.00-24.00
Atlantico (Lisboa)	15150	19.80	10	12.00–15.00 (h)

FM:
Lisboa 94.30 mc/s 12 kW 07.30–10.00 (a), 12.00–15.00, 18.00–24.00.
Porto 92.50 – 20 kW 20.00–24.00. (d)
a). Sun.: 07.30–24.00. b) Sun. 13.30–24.00. c) Sun.: 08.30–24.00.
d) Sun. 14.45–17.00, 20.00–24.00. e) Sun. 11.00–24.00. f) Sun. 11.00-24.00. g). Sat. 13.00–15.00. h) Sun. 11.00–17.45.

N.: D.: 07.35, 08.30, 13.00, 18.00, 19.40, 21.00, 23.45. – **Portuguese Music**: Sun. 20.15, 22.40; Mo. 12.40; Tues. 09.15, 12.45. 13.15; Wed. 07.50, 18.45; Thurs. 12.15, 13.30, 19.45, 22.30; Fri. 08.20, 12.00, 19.30, 20.15; Sat. 12.00, 21.45, 22.45. – **Commentary**: D. 13.00, 21.00. – **Political Commentary**: Sat. 21.30. – **Request Prgr.**: Tues. 20.30. Thurs. 20.00, Fri. 21.20, Sat. 20.30, 22.45. – **Wrp.**: 09.55, 14.55, 23.45. – **ANN.**: "Estudios de Lisboa da Emissora Nacional Estimados ouvintes, muito bom dia (boa tarde ou boa noite)" – **INT.-SIG.**: Bells and National Anthem. – V. by QSL-card. – **PUB.**: Foreign Sce. sched. in P.

FOREIGN SERVICE:

Short Waves: All stations Lisboa exc. those marked with* (Ponta Delgada). All stations directional exc. 123, 75 and 61 m.b. All stations 100 kW exc. 2422 kc/s (1), 75 m.b. (10), 61 m.b. (1) and 13, 11 m.b. (50 kW).

M. Waves:

kc/s	m	Call	kc/s	m	Call
2.422	123.9	CSA98*	11.915	25.18	CSA22*
3.980	75.38	CSA73	11.920	25.17	CSA77
3.990	75.19	CSA74	11.925	25.16	CSA71
4.845	61.92	CSA93*	11.925	25.16	CSA95*
4.865	61.66	CSA97*	11.930	25.15	CSA72
4.880	61.48	CSA94*	11.930	25.15	CSA96*
5.960	50.34	CSA206	11.935	25.14	CSA62
5.976	50.20	CSA78	11.958	25.09	CSA41
6.020	49.83	CSA207	11.964	25.07	CSA63
6.025	49.79	CSA52	11.995	25.01	CSA32
6.185	48.50	CSA29	15.050	19.93	CSA75
6.360	47.17	CSA38	15.100	19.87	CSA39
6.374	47.09	CSA21	15.110	19.85	CSA35
7.018	42.75	CSA91*	15.120	19.84	CSA36
7.049	42.56	CSA60	15.125	19.85	CSA64
7.130	42.07	CSA55	15.150	19.80	CSA33
7.225	41.52	CSA53	15.160	19,79	CSA34
7.260	41.32	CSA22	15.320	19.59	CSA37
7.265	41.30	CSA54	15.355	19.54	CSA65
9.635	31.14	CSA23	15.380	19.50	CSA42
9.645	31.10	CSA56	17.740	16.92	CSA43
9.650	31.09	CSA20	17.815	16.84	CSA79
9.670	31.02	CSA24	17.835	16.82	CSA209
9.680	30.99	CSA25	17.870	16.79	CSA44
9.727	30.84	CSA26	17.880	16.78	CSA45
9.740	30.80	CSA27	17.890	16.77	CSA46
9.746	30.78	CSA28	17.895	16.76	CSA66
9.765	30.72	CSA57	21.495	13.95	CSA67
9.775	30.69	CSA76	21.660	13.85	CSA47
11.720	25.60	CSA40	21.690	13.83	CSA48
11.755	25.52	CSA208	21.700	13.83	CSA49
11.840	25.34	CSA31	25.650	11.70	CSA50
11.875	25.26	CSA58	25.665	11.69	CSA68
11.895	25.22	CSA59	25.700	11.67	CSA51
11.915	25.18	CSA30			

Remark: Powers indicated are the powers at carrier level.
I=Timor; II=Macau; III=India/Pakistan/Persian Gulf; IV=Goa (Portuguese India); V=Kenya/Tanganyika/Uganda/S.Af; VI=S.Tome Angola/Mozambique; VII=No.Atl./Greenland; VIII=Guinea/Cape Verde/Brazil; IX=No.Am. (Atl. Coast); X=U.S.A. (Pa. Coast).

Time	Areas	L.	Nov./ Feb. m. b.	March./ Apr. m. b.	May/ Aug. m. b.	Sept./ Oct. m. b.
10.00–13.00	I	P.	13–16	13–16	13–16	13–16
10.00–13.15	II	P.	13–16–19	13–16	13–16	13–16
13.15–14.00	III	E.	13–16	13–16	13–16	13–16
14.00–14.30	III	Konkani	13–16	13–16	13–16	13–16
14.30–17.15	IV	P.	13–16	13–16	13–16	13–16
17.15–18.00	V	E.	16–19	16–19	16–19	16–19
10.00-13.15*	VI	P.	13	13	13	13
17.15–21.30	VI	P.	13-16–19	13–16–19	13–16–19	13–16–19
21.30–00.30	VII	P.	19–25	19–25	19	19
21.30–02.00	VIII	P.	16–19–25	16–19	16–19	16–19
01.00–04.00	IX	P.	19–25	19–25	19–25	25–30
02.00–04.00	X	P.	25–30	25–30	25–30	25–30

* Sun. 10.00–17.15.

Portuguese: N.: 12.15, 18.15, 20.30, 22.45, 01.00, 03.00. – **Mbg.**: Sun. 04.45, Tues. 00.45; **Request Prgr.**: Sun. 13.30, Mo. 12.15, Wed. 19.20, Thurs. 16.45, Fri. 00.20. – **English**: N. 13.30, 17.30.

ANN.: P.: "Aqui Lisboa, Serviço Ultramarino da Emissora Nacional a transmitir para... Estimados ouvintes. muito bom dia (boa tarde ou boa noite)". – E.: "This is Lisbon Calling". Konkani: "Lisboa apoita".

INT.-SIG.: Time signal and National Anthem. – V. by QSL-card. – PUB.: "Aqui Lisboa" quarterly in Portuguese.

F.PL.: Projected FM st.: Montejunto 93.1 mc/s (1 kW), Nogueira 93.7 (1), Oural 94.9 (1), Serra d'Aire 95.5 (50), Marão 96.1 (50), Ossa 96.7 (1), Serra da Estrela 97.3 (50), Serra da Fóia 97.9 (1), Paradela 98.5 (15), Arrabida 99.1 mc/s (1 kW).

RADIO RENASCENCA (Religious Catholic).

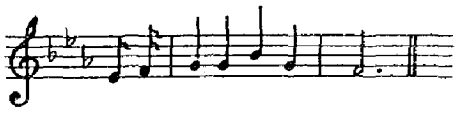
ADDR.: Emissora Catolica Portuguesa, Rua Capelo 5, 2° esq°., Lisboa
L.P.: Dir.: M. Lopez da Cruz. Dir. Tec.: F. M. Bordalo Machado.
HOME SERVICE: 08.30–10.30, 12.00–15.00, 18.30–24.00.
Lisboa CSB 3 1286 kc/s 233 m 2 kW – CSB 52 6154kc/s 48.74 m 0.5 kW.
Porto CSB 30 1169 kc/s 256.6 m 1 kW.
N.: 13.45, 20.30, 22.45. – P. Music: 20.45, 23.00.
ANN.: P.: "Radio Renascenca-Emissora Catolica Portuguesa".
INT.-SIG.: Gong. Prgr.s open with a religious choir. – V. by QSL-card.

RADIO CLUBE PORTUGUES (Comm.-Priv.).

(Sociedade Anonima Cooperativa de Responsabilidade Limitada).
ADDR.: Central Office: Radio Clube Portugues, Parede, Portugal. – Cable: "Radioclube". – No. Branch: Radio Clube Portugues, Rua de Ceuta, 53. Porto. – Cable: "Radioclube". – L.P.: Pres.: Maj. J. B. Moniz. Gen. Mgr.: A. L. Basto. Tec. Dir.: M. Meneses. – No. Branch: Dir.: H. Schreeck, Dir. Tec.: (Miramar): P. Niny dos Santos.

HOME SERVICE:		kc/s	m	kW	
Miramar	CSB9 (Porto)	782	383.6	100	11.15–15.00, 18.15–00.30 Sun. 10.00-00.30.
Parede	CSB2	1034	290.1	20	07.00–01.00
Parede	CSB51	6080	49.34	10	07.00–01.00
Lisbon	CSB55 (FM)	90.2 mc/s		3	08.30–01.00

ANN.: "Aqui, R. Clube Portugues, a transmitir com as suas estaçoes...". – INT.-SIG.: Gong. – V. by QSL-card.



RADIO UNIVERSIDADE (Cultural-Ministerio da Educacao).
ADDR.: Praca das Flores 51, Lisboa. – L.P.: Dir.: Dr. da Silva Cunha. Dir. Tec.: J. M. Dias.
HOME SERVICE in P.: 755 kc/s 397 m 20 kW: 18.00–18.55.
ANN.: "Radio Universidade, estudios do Centro Universitário de Lisboa, da Mocidade Portuguese, a transmitir por intermedio da Estacao Lisboa 2 da Emissora Nacional". – INT.-SIG.: Opens and closes with "March a da Mocidade Portuguesa".

EMISSORA LICEU DE PEDRO NUNES (Go., Ministry of Education).
ADDR.: Av. Alvares Cabral, Lisboa. – L.P.: Dir. Dr. J. M. X. Lobo. Dir. Tec.: Dr. C. Guerra.
HOME SERVICE: Wed., Fri. 17.00–18.30. Sun. 10.00–12.00.
CSB56 6003 kc/s 49.97 m 0.15 kW.
ANN.: In P.: "Aqui Lisboa, Portugal, fala-vos a Estacao Emissora do Liceu de Pedro Nunes, a trabalhar com o seu emissor CSB56, no comprimento de onda de 49.9 metros, frequencia de 6003 quilociclos por segundo". – V. by QSL-card. –

EMISSORES ASSOCIADOS DE LISBOA (Comm.).
R. Peninsular – R. Graca – R. Voz de Lisboa – Clube Radiofonico – R. Restauraçao.
CSB4 1594 kc/s 188 m 1 kW 07.00–24.00 (Sun. 06.00–24.00).
R. Voz de Lisboa – ADDR.: Rua Voz do Operario 64, Lisboa. – L.P.: Dir.: Dr. F. Laranjeira. Dir. Tec.: C. Barradas da Silva. – ANN.: "Esta é a Voz de Lisboa, con séde e estúdios na Rua da Voz do Operario 64 em Lisboa". INT.-SIG.: Gong. – V. by letter. – F.PL.: 10 kW.

EMISSORES DO NORTE REUNIDOS, Porto (Comm.).
Electro Mecanico – Orsec. – Ideal Radio. – R. Porto. – R. Clube do Norte: 1223 kc/s 245.2 m 1 kW: 08.00–09.00, 11.00–24.00.

RADIO RIBATEJO (Comm.) 1322 kc/s 226.9 m 1 kW: W.: 10.00–14.00, 18.00–20.00. Sun. 10.00–20.00.

R. ALTO-DOURO (Comm.) 800 kc/s 375 m 1 kW. 12.00–14.00,

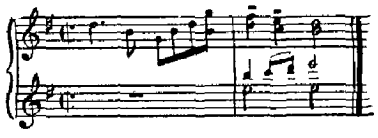
★ RUMANIA ★

L.T.: GMT+2 h. – L.: Rumanian. – Rcvrs: 1.300.000.
RADIODIFUZIUNEA ROMINA (Go.).
ADDR.: str. A. St. Popov Nr. 62, Bucuresti, Republica Populara Romina. – Cable: "Radiodifuziunea."
HOME SCE. 1. Prgr.=I. 2. Prgr.=II.

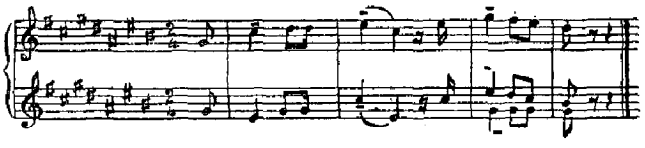
kc/s	m	kW	Weekdays	Sundays
155	1935	150	03.00–22.00 I	04.00–22.00 I
557	540	1	16.00–22.00[1] I	14.30–22.00 I
755	397	50	(2)	
854	351	150	03.00–12.00 I	05.00–22.00 II
			12.00–22.00[1] II	
908	330	1	(3)	
1052	285	20	12.00–16.00 II	
			17.00–22.00[1] II	
1151	261	30	(3)	
1430	210	5		
1457	206	20	12.00–16.00	
			17.00–22.00[1]	05.00–22.00 II
1484	202	5	12.00–22.00 I	14.00–22.00 I

[1]) Thurs. to 23.30. [2]) Prgr. I. W.: 03.00–03.30, 04.15–12.00. Prgr. II.: W.: 12.00–12.40, 13.00–14.20, 15.15–16.00. Sun. 05.00–05.30, 06.20–07.45, 08.50–17.00. [3]) Prgr.: II: W. 12.00–12.40 (Mo. 13.00), 14.00–14.20, 15.15–16.00, 17.00–22.00 (Thurs. 23.30). Sun. 05.00–06.20, 08.50–22.00.
N.: 1. Prgr.: 03.00 (W), 04.00 (W), 04.30 (Sun.), 05.00 (W), 09.00, 11.00, 13.00, (W), 15.00 (W), 17.00, 20.00, 21.52. – 2. Prgr.: 05.50 (Sun), 07.30 (Sun.), 12.00, 14.00 (W), 16.00 (W), 18.00, 19.00 (W), 21.00.
Mbg.: 1. Prgr.: Wed., Fri., Sat.: 17.30 – Wrp.: 1.Prgr.: W.: 03.00, 15.00, 20.00 Sun.: 11.00, 20.00. 2. Prgr.: W.: 14.00, 21.00, Sun.: 12.00, 21.00.
Regional Prgrs.: Timisoara 557 kc/s: W.: 16.00–17.00 – Iasi 1052 kc/s W.: 16.00–17.00 – Cluj 1151/908 kc/s: W.: 04.15–05.15, 13.00–14.00, 16.00–17.00. Sun. 06.20–07.45. – Craiova 1457 kc/s: W.: 16.00–17.00.
PRGR. IN THE LANGUAGES OF THE NATIONAL MINORITIES:
German: D. 15.15–15.59 (755, 908, 1151 kc/s); 16.30–17.00(755 kc/s); Sun. 08.30–08.49 (755, 908, 1151 kc/s).
Hungarian: D. 03.55–04.14, 14.45–15.15 (755, 908, 1151 kc/s); – 16.00–16.50 (755 kc/s); Wed.: 15.30–15.59 (755, 908, 1151 kc/s); – Sun.: 07.45–08.30, 14.45–15.15 (755, 908, 1151 kc/s); – D.: 16.00–16.30 (755 kc/s);
Serbian: Sun.: 07.15–07.44 (755 kc/s).
ANN.: Home Sce.: At opening: 1. Prgr.: "Aici Bucuresti! Dragi ascultatori buna dimineata. Transmitem Programul I pe statiile de radio cu lungimile de unda de ... – 2. Prgr.: The same exc. "dragi ascultatori buna dimineata ...". At closing 1. Prgr.: "Aici Bucuresti, dam ora exacta. Emisiunea noastra s-a terminat. Ascultati-ne din nou miine dimineata la orele ... pe statiile de radio cu lungimile de unda de ... Dragi ascultatori, noapte buna." – 2. Prgr.: The same text exc.: "Miine" ....

INT.-SIG.: I Prgr.:



II Prgr.:



FOREIGN SERVICE:

155 kc/s 1935.0 m	6210 kc/s 48.31 m	11937 kc/s 25.13 m
755 – 397.0	9254 – 32.43 –	15250 – 19.67 m
5980 – 50.17 –	9570 – 31.35 m	

EUROPEAN SERVICE:

English	kc/s
19.30–20.00	11937
	6210, 9254
21.00–21.30	9570, 11937
22.30–23.00	155, 9570, 11937
French	
18.00–18.30	9570, 11937
20.30–21.00	9570, 11937
22.00–22.30	9570, 11937
German	
18.00–18.30	755, 6210, 9254
19.00–19.30	9570, 11937
21.00–21.30	755
22.00–22.30	155, 6210, 9254
Greek	
17.00–17.30	6210, 9254
	9570, 11937
19.30–20.00	755
21.00–21.30	6210, 9254,
21.30–22.00	755
Italian	
17.30–18.00	6210. 9254,
	9570, 11937
18.30–19.00	755, 6210, 9254
20.00–20.30	755, 9570, 11937
22.00–22.30	755

Rumanian*	kc/s
21.30–22.00	6210, 9254
22.30–23.00	755, 6210, 9254
* Mo., Thurs., Fri., Sun.	
Serbian	
17.00–17.30	755
19.00–19.30	755
Spanish	
20.30–21.00	6210 9254
21.30–22.00	9570, 11937
Turkish	
17.30–18.00	755
20.00–20.30	6210, 9254
Concerts:	
16.00–16.30	a) 9570, 11937
21.30–22.00	b) 6250. 9254
22.30–23.00	c) 755, 6210, 9254
22.30–23.00	d) 755, 6210, 9254

a) Ann. in French & English.
b) Ann. in Rumanian Tues., Wed., Sat.
c) Ann. in German Wed., Sat.
d) Ann. in Italian exc. Wed., Sat.

EASTERN SERVICE:

English		Persian	
15.30–16.00	9570, 11937	18.30–19.00	9570, 11937
French			
16.30–17.00	9570, 11937		

No.AMERICAN SERVICE:

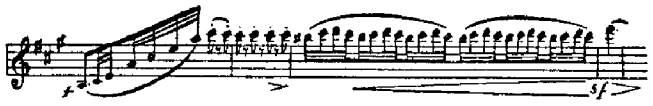
English		Jewish	
01.30–02.00	9570	02.00–02.30	9570
03.00–03.30	9570, 11937	**Rumanian**	
04.30–05.00	9570, 11937	23.15–23.56	15250
		03.30–03.57	9570, 11937

LATIN AMERICAN SERVICE

Spanish			
00.00–00.30	15250	02.30–03.00	9570
		04.00–04.30	11937, 15250

ANN.: E.: "This is Bucharest calling. Good evening everybody. This is Bucharest calling in the ... In the next half hour we bring you ..." – E.: "Ici Bucarest dans les bandes des ... et ... metres". – I.: "Parla Bucarest. E'Bucarest che vi parla nella sua prima transmissione della giornata su onde di metri ... Amici in ascolto, buona sera". – Sp.: "Muy buenos noches, estimados oyentes. Radio Bucarest comienza su primera emision en langua española por campos de onde de ... metros; ... kilociclos respectivemente". G.: "Hier ist der Bukarester

Rundfunk mit der Sendung in deutscher Sprache. Sie hören uns: auf Kurzwelle ... und ... Meter gleich ... und kHz und auf Mittelwelle .. Meter gleich ... kHz."
NT.-SIG.:



V. by QSL-card or letter. PUB.: Programul de Radio (weekly), free on request.

★ SPAIN ★

L.T.: GMT+1 h. – L.: Spanish. – Rcvrs.: 1.750.000.
RADIO NACIONAL DE ESPANA (Go.).
ADDR.: Paseo de la Castellano no. 42, Madrid.
L.P.: Dir. Gen.: D. José Mariá Revuelta. Dir. Prgr.: D. José Ramón Alonso. Dir. Adm.: D. Enrique Frax. Dir. Press & Inf.: D. Angel Marrero. Dir. Foreign Relations: D. Anibal Arias Ruiz.

HOME SCE.:	kc/s	m	kW		kc/s	m	kW
Madrid-Arganda	584	513.7	150	Huelva	836	359	0.5
Madrid-Local	1025	292.5	5	Malaga	998	301	6
Sevilla	638	470.5	5	Huesca	1570	191	5
La Coruña	701	428	20	Malaga	6136	48.9	5
Barcelona	737	407	30	Madrid	6000	50.0	40
Valencia	935	320	5				

FM: 93 mc/s 0.7 kW.
584 kc/s: 12.00–24.00; **1025 kc/s:** 07.00–23.30; **6000 kc/s:** 07.30–16.55, 21.30–23.30. – **N.:** 07.00, 08.00, 13.10, 21.00. – **Wrp.:** Sat. 19.00. – **Nat. Music:** D. 11.05; Mo. 12.40, 22.15. Wed.: 12.35, Fri.: 23.40.
INT.-SIG.: Sintonia para el Servicio:

Senal de pause:

ANN.: "Transmite Radio Nacional de España desde sus estudios en Madrid."

FOREIGN SERVICE:
Madrid-Arganda: 100 kW exc.* 40 kW.

6130 kc/s	48.94 m	9585 kc/s	31.30 m*	9695 kc/s	30.95 m
7100 –	42.25 –	9610 –	31.22 –	11815 –	25.39 –
9363 –	32.04 –*	9677 –	31.00 –	15420 –	19.45 –
				15636 –	19.18 –

EUROPEAN SERVICE:
16.30–20.10 on 7100/9610 kc/s:
Bulgarian 18.15–18.30 – **Croatian** 17.00–17.15 – **Czech** 16.45–17.00 – **Estonian** 18.00–18.15 – **Hungarian** 19.20–19.40 – **Latvian** 17.15–17.30 – **Lithuanian** 18.30–18.45 – **Polish** 19.40–20.10 – **Rumanian** 19.00–19.20 – **Russian** 17.30–18.00 – **Slovak** 18.45–19.00 – **Ukrainian** 16.30–16.45.
20.20–22.00 on 6130/7100/9585 kc/s:
English 20.20–20.50 – **French** 20.50–21.20 – **German** 21.20–21.40 – **Italian** 21.40–22.00.
OVERSEAS SERVICE:

Arabic:	kc/s	Portuguese (to Brazil)	
13.30–14.00	15420	22.15–22.45	9363/9695/
19.30–20.00	9610		11815
Chinese		**Spanish**	**kc/s**
11.45–12.15	11815/15420	11.00–11.45 [1])	11815/15420
English (to No..Am.)		12.15–12.30 [2])	11815/15420
03.15–04.00	6130/9585	15.45–16.20 [3])	9677
04.15–05.00	6130/9585	22.45–03.00 [4])	9363/9695/
05.15–06.00	6130/9585		11815

[1]) to Philippines – [2]) to Missionaries in the F.East – [3]) to Guinea, Canary Isl; W. Af. – [4]) to Latin America.
ANN.: E.: "This is the Voice af Spain broadcasting from the Spanish National Radio in Madrid".
INT.-SIG.: Gong and the following tune:

V. by QSL-card or letter. – PUB.: Prgr. schedules weekly (Home Sce.) and monthly (Foreign Sce) free on request.

RED DE EMISORAS DEL MOVIMIENTO (R.E.M.)
(Broadcasting system of the Falange).
The Red de Emisoras del Movimiento belongs to the Secretaria Nacional de Radiodifusion.
ADDR.: Red de Emisoras del Movimiento, Ayala No. 15, Madrid. – L.P.: Pres. Council and National Delegate: D. Jesus F. Fueyo Alvarez. Nat. Secr.: D. Jose Luis Garcia Casás. Dir. Prgr.: D. Antonio Castra Villacañas. Inspector: J. Jimenez Frutos. Adm. Nat. :D. José Luis Alcala Puig. Dir. Tec.: F. Ortega.

STATIONS:

Call	Name	k/s	m	kW	Hours of tr.
EFE 1	LaVozdeValladolid	1300	230	1	11.00–24.00, (Sun. 00.30)
EFE 2	R. Teruel	1500	200	2	12.00–15.30, 20.00–24.00
EFE 4	R. Palencia	1415	212	1	13.00–17.00, 20.00–24.00
EFE 5	La Voz de León	1190	252	1	11.00–17.00, 20.00–01.00
EFE 6	R. Cáceres	1500	200	1	12.30–15.30, 20.00–00.30
EFE 7	R. Denia	1403	213	0.4	12.30–16.00, 19.00–23.00
EFE 8	La Voz de Alicante	1300	230	2	09.30–00.30,
EFE 9	R. Villafranca del Panadés	1300	231	1	13.00–15.00, 20.00–23.00
EFE 10	R. Alava	1550	194	0.2	10.00–16.00, 18.00–24.00
EFE 11	R. Utiel	1425	210	0.2	12.30–16.00, 20.30–24.00
EFE 12	R. Monóvar	1575	190	0.1	12.30–16.00, 19.30–24.00
EFE 13	R. Sagunto	1440	205	1	11.00–16.00, 19.00–24.00
EFE 14	La Voz de Madrid	1223	245	20	09.00–24.00
EFE 15	R. Ferrol	1376	218	0.3	12.15–16.00, 20.00–24.00
EFE 16	R. Puigcerdá	1500	200	0.2	12.00–15.30, 18.00–22.30
EFE 17	La Voz de Levante	1525	196	5	11.00–01.00
EFE 18	R. Játiva	1500	200	0.5	11.00–16.00, 19.00–24.00
EFE 20	R. Ripoll	1200	250	0.1	21.00–23.00
EFE 21	R. Cazorla	1500	200	0.1	15.00–17.00, 13.00–18.00
EFE 22	R. Oviedo	1186	252	5	10.00–00.30
EFE 23	LaVozdeGuipúzcoa	728	412	5	09.30–00.30
EFE 24	R. Orihuela	1400	214	0.2	12.00–16.00, 18.00–24.00
EFE 25	R. Cantabria	1398	210	1	10.00–24.00
EFE 26	R. Luarca	1435	210	0.4	12.00–15.00, 20.00–22.00
EFE 27	R. Maresma de Mataró	1442	208	0.2	12.30–16.00, 19.00–23.30
EFE 28	R. Tortosa	1500	200	0.5	12.00–16.00, 19.00–23.00
EFE 29	R. Tudela	1500	200	0.1	13.00–15.00, 20.00–21.00
EFE 31	La Voz de Vigo	1300	230		08.00–10.00, 13,00–17.00 21.00–01.00
EFE 32	R. Avila	1255	239	1	13.30–16.30, 20.00–24.00
EFE 33	R. Tarragona	1570	191	0.2	10.00–16.00, 19.00–24.00
EFE 34	R. Atlántico	1500	200	0.6	11.00–15.30, 18.00–24.00
EFE 35	R. Tárrega	1500	200	0.4	12.00–16.00, 20.00–24.00
EFE 38	R. Badajoz	~~1500~~	200	2	9.15–10.00, 13.00–16.00 20.00–01.00
EFE 39	R. Berga	1442	208	0.2	12.00–16.00, 19.00–23.00
EFE 40	La Voz de la Costa Brava	1408	213	0.4	12.00–16.30, 20.00–24.00
EFE 41	R. Olot	1344	223	0.2	12.00–16.00, 19.00–23.00
EFE 42	R. Sueca	1475	203	0.5	12.00–16.00, 19.30–24.00
EFE 43	R. Requena	1490	201	0.5	13.00–16.00, 21.00–24.00
EFE 44	R. Picasent	1530	196	0.1	12.00–16.00, 19.30–23.30
EFE 45	La Voz de Granada	1400	214	0.3	09.30–14.45, 19.00–01.00
EFE 46	R. Guadasuar	1300	230	0.1	12.30–15.00, 20.00–24.00
EFE 47	R. Cullera	1480	202	0.2	13.00–16.00, 20.00–24.00
EFE 48	R. Carlet	1535	196	0.4	12.30–15.00, 20.00–23.30
EFE 49	R. Chelva	1325	226	0.1	13.00–15.00, 21.00–23.00
EFE 50	La Voz de Cataluña	1034	265	0.9	08.00–24.00
EFE 51	R. Mora de Ebro	1500	200	0.1	12.00–16.00, 20.00–24.00
EFE 52	R. Vendrell	1370	218	0.1	12.30–15.30, 19.30–23.30
EFE 53	R. Roda de Ter	1350	222	0.1	13.00–15.00, 20.00–22.00
EFE 54	R. Cardona	1500	200	0.1	13.30–15.00, 20.00–22.00
EFE 55	R. Vich	1550	193	0.6	12.00–24.00
EFE 56	R. Blanes	1250	240	0.2	12.30–16.00, 20.00–23.00
EFE 57	La Voz de Navarra	1250	240	5	12.30–16.00, 20.00–23.00
EFE 59	R. Manises	1200	250	0.3	12.00–16.00, 19.00–24.00
EFE 60	R. Vélez Rubio	1376	218	0.2	14.00–17.00, 20.00–22.00
EFE 61	R. Adra	1518	197	0.1	13.30–16.30, 20.30–23.00
EFE 62	R. Berja	1875	160	0.1	13.30–16.00, 20.00–23.00
Short Waves:					
EFE 1	LaVozdeValladolid	7005	42.83	0.5	11.00–24.00 (Sun. 00.30)
EFE 3	R. Alerta	7200	41.67	5	20.00–24.00
EFE 5	La Voz de León	6933	43.27	0.5	11.00–17.00, 20.00–01.00
EFE 22	R. Oviedo	7230	41.49	1	10.00–00.30

Main Station EFE 14 La Voz de Madrid.
Directors: EFE 1. D. Antolin Santiago. – EFE 3. D. José Jiminez Frutos. – EFE 4. D. Enrique Gonzáles Roeyela. – EFE 5. D. José Luis Pérez Perelétegui. – EFE 6. D. Benito Ledo Nevado. – EFE 8. D. José Luis Ferrer Pérez. – EFE 14. D. Teodoro Delgado Pomata. –

RADIO NACIONAL DE ESPAÑA

HABLA PARA EL MUNDO

HORAS IN GMT

En chino:	De 11.45 a 12.15, por 25 y 19 metros.
En árabe:	De 13.30 a 14.00 por 19 metros, y de 19.30 a 20.00 por 31 metros.
En ucraniano:	De 16.30 a 16.45 horas, por 42 y 31 metros.
En checo:	De 16.45 a 17.00 horas, por 42 y 31 metros.
En croata:	De 17.00 a 17.15 horas, por 42 y 31 metros.
En letón:	De 17.15 a 17.30 horas, por 42 y 31 metros.
En ruso:	De 17.30 a 18.00 horas, por 42 y 31 metros.
En estoniano:	De 18.00 a 18.15 horas, por 42 y 31 metros.
En búlgaro:	De 18.15 a 18.30 horas, por 42 y 31 metros.
En lituano:	De 18.30 a 18.45 horas, por 42 a 31 metros.
En eslovaco:	De 18.45 a 19.00 horas, por 42 y 31 metros.
En rumano:	De 19.00 a 19.30 horas, por 42 y 31 metros.
En húngaro:	De 19.20 a 19.40 horas, por 42 y 31 metros.
En polaco:	De 19.40 a 20.10 horas, por 42 y 31 metros.
En inglés:	(Para Inglaterra): De 20.20 a 20.50 horas, por 42,49 y 31 metros. (Para estado Unidos. Costa Atlántica): De 3.15 y 4.00 horas, por 31 y 49 metros. (Para Estados Unidos. Costa Pacífico): De 4.15 a 5.00 horas, por 31 y 49 metros. (Para Estados Unidos. General para los Estados): De 5.15 a 6.00 horas, por 31 y 49 metros.
En francés:	De 20.50 a 21.20 horas, por 42, 49 y 31 metros.
En alemán:	De 21.20 a 21.40 horas, por 42, 49 y 31 metros.
En italiano:	De 21.40 a 22.00 horas, por 42, 49 y 31 metros.
En portugués:	(Para Brasil): De 22.15 a 22.45, por 32,31 y 25 metros.
En español:	(Para Hispanoamérica): De 22.15 a 3.00 horas, por 32,31 y 25 metros. (Para españoles residentes en América): De 22.45 a 24.00 horas, por 32,31 y 25 metros. (Para Filipinas): De 11.00 a 11.45 horas, por 25 y 19 metros. (Para los españoles residentes en el extranjero): De 11.30 a 12.00 horas, por 50 y 293 metros. (Para Guinea y Africa Occidental): De 15.45 a 16.20 horas, por 31 metros. (Para los Misioneros en Oriente): De 12.15 a 12.30 horas, por 25 y 19 metros.

Treienta y cuatro servicios informativos, en veinte idiomas, llevan asi a todos los paises LA VOZ DE ESPAÑA.

RADIO NACIONAL DE ESPAÑA

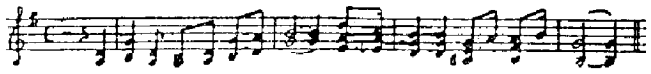
SPEAKS TO THE WORLD

TIMES IN GMT

In Chinese:	From 11.45 to 12.15 on 25 and 19 m.
In Arabic:	From 13.30 to 14.00 on 19 m and from 19.30 to 20.00 on 31 m.
In Ukranian:	From 16.30 to 16.45 on 42 and 31 m.
In Czech:	From 16.45 to 17.00 on 42 and 31 m.
In Croatian:	From 17.00 to 17.15 on 42 and 31 m.
In Latvian:	From 17.15 to 17.30 on 42 and 31 m.
In Russian:	From 17.30 to 18.00 on 42 and 31 m.
In Estonian:	From 18.00 to 18.15 on 42 and 31 m.
In Bulgarian:	From 18.15 to 18.30 on 42 and 31 m.
In Lithuanian:	From 18.30 to 18.45 on 42 and 31 m.
In Slovak:	From 18.45 to 19.00 on 42 and 31 m.
In Rumanian:	From 19.00 to 19.30 on 42 and 31 m.
In Hungarian:	From 19.20 to 19.40 on 42 and 31 m.
In Polish:	From 19.40 to 20.10 on 42 and 31 m.
In English:	(to Gt. Britain): From 20.20 to 20.50 on 49, 42 and 31 m. (to USA, Atlantic Coast): From 03.15 to 04.00 on 31 and 49 m. (to USA, Pacific Coast): From 04.15 to 05.00 on 49 and 31 m. (To USA all States): From 05.15 to 06.00 on 49 and 31 m.
In French:	From 20.50 to 21.20 on 49, 42 and 31 m.
In German:	From 21.20 to 21.40 on 49, 42 and 31 m.
In Italian:	From 21.40 to 22.00 on 49, 42 and 31 m.
In Portuguese:	(to Brasil): From 22.15 to 22.45 on 32, 31 and 25 m.
In Spanish:	(to Latin America): From 22.15 to 03.00 on 32, 31 and 25 m. (to Spaniards living in America): From 22.45 to 24.00 on 32, 31 and 25 m. (to the Philippines): From 11.00 to 11.45 on 25 and 19 m. (to Spaniards living abroad): From 11.30 to 12.00 on 293 and 50 m. (to Guinea nad West Africa): From 15.45 16.20 on 31 m. (to Missionaries in the East): From 12.15 12.30 on 25 and 19 m.

THE VOICE OF SPAIN brings thirtyfour informatory broadcasts in twenty languages to all countries.

EFE 15. D. José Maria López Ramón. – EFE 17. D. Vicente Beta Frígola. – EFE 22. D. Julio del Caño Herreras. – EFE 23. D. Antonio Garcia Maylín. – EFE 25. D. Santiago Basoa Barañano. – EFE 33. D. José María Tarrasa Alvira. – EFE 50. D. Fulgencio Carlos Gómez López. – EFE 57. D. José María Pérez Salazar. – EFE 31. D. Luciano Rodriguez Gómez.
The addresses of the stations: See the advertisement.
ANN.: "EFE... La Voz de..." or "Radio... de la Red de Emisoras del Movimiento". – V. by letter.



The schoolstations of the Youth listed below also belongs to the Red de Emisoras del Movimiento. (R.E.M.)

SERVICIO NACIONAL DE RADIODIFUSION Y CINE DEL FRENTE DE JUVENTUDES.
Organization: For the educational work of Radio and Film in Spain and for the training of people engaged with Radio and Film. – **L.P.:** Dir. of the Service: D. Anibal Arias Ruiz. Gen. Secr.: D. German Bonet Marco. Chief-Eng.: D. Francisco Diaz Gúerra. Chief Techn. Dept.: D. Manúel Sanz Sagredo. Dir. Prgr.: D. Francisco Ruiz Púertas. Chief Public Relation: D. Manúel Rodrigúez Zúasti. Chief Editor: D. Ignacio Hilario de la Mota Oreja. Organiser: D. Enrique Dominguez Millan.
ADDR.: Diego de Leon 49, Madrid.
SCHOOL-STATIONS: A network of 60 school-stations used for ordinary broadcasting and for a three years training of professionals for Radio (Speakers, actors, lecturers, engineers, programme controllers, organisers, directors).
DIRECTORS: No. 1, D. Ánibal Arias Ruiz; no. 5, D. Emilio de la Cruz Hermosilla; no. 6, D. Miguel Gimenez Garcia; no. 8, D. Gerardo Alvarez Vidal; no. 9, D. Amador Rodriguez; no. 10, D. Salvador Castell Frasquet; no. 11, D. Joaquin Alberto Tabernero; no. 12, D. Joaquín Ros Canals; no. 15, D. Pablo de Sárraga Samper; no. 16, D. Tomás Rabanal Brito; no. 17, D. Blas Gavidia Avila; no. 19 D. Luiz Alvarez Pastor; no. 22, D. Andrés Casasnovas; no . 23, D León Cuenca Enguidanos; no. 28, D. José Comino Arroyo; no. 31, D. Manuel Herrero Garcia; no. 33, D. Pedro Hernandez Huertado; no. 35, D. José Maria Llavata Cuevas; no. 43, D. Constantino Jimenez Fernandez; no. 46, D. José Manuel Sierra Rodriguez; no. 55, D. Salvador Carrasco; no. 59, D. Carlos Mateo Santos;
STATIONS:

Calle	kc/s	m	kW	Name of Station
EFJ1	1106	271.0	0.8	R. Juventud de España
EFJ2	1450	207	0.8	R. – – Soria
EFJ5	1048	213	0.8	R. – – Cadiz
EFJ6	7281	41.20	0.04	R. – – Almansa
EFJ8	7100	42.20	0.015	R. – – Ribadavia
EFJ9	1367	219.45	0.8	R. – – Guadalajara
EFJ10	1300	199.73	0.8	R. – – Algemesi
EFJ11	1205	248.96	0.5	R. – – La Coruña
EFJ12	1349	222.4	0.5	R. – – Sabadell
EFJ15	836	358.85	1.	R. – – Barcelona
EFJ16	7140	42.01	0.060	R. – – Mérida
EFJ17	7260	41.43	0.045	R. – – Ayora
EFJ19	1300	229.56	0.8	R. – – Murcia
EFJ22	1392	215.2	0.8	R. – – Menorca
EFJ23	1360	260	0.8	R. – – Albacete
EFJ25	1304	230	0.8	R. – – Almeria
EFJ28	1595	215	0.8	R. – – de Baza
EFJ31	1250	240	0.8	R. – – Balaguer
EFJ33	1511	198.54	0.8	R. – – Villena
EFJ35	1106	270	0.8	R. – – Burjasot
EFJ43	1250	240	2	R. – – Vizcaya
EFJ46	1390	219	2	R. – – Zaragoza
EFJ51	1415	212	0.1	R. – – Ayamonte
EFJ55	1429	209.9	1	R. – – Campo de Gibraltar
EFJ56	1107	271	2	R. – – Málaga
EFJ56	1388	216	0.4	R. – – Málaga
EFJ59	1480	219.45	0.2	R. – – Ciudad Rodrigo

+ 33 low power stations less 0.5 kW.
D.PRGR.: consist of cultural and educational prgrs, information service about the youth-work, actualities and entertainment.
EFJ51: Addr.: Huelva 31, Ayamonte. – **L.P.:** Dir. Gen.: D. P. Javiar. Dir. Tec.: J. A. P. Javiar. – **D.PRGR.:** 13.00–17.00 in **Spanish** and **Portuguese.** – **V.** by QSL-card.
EFJ56: Addr.: Alarcón Lujan No. 6, 1 planta, Málaga. – **L.P.:** Dir. Gen.: J. T. Cintora. Dir. Tec.: J. J. Parra. – **D.PRGR.:** 1107 kc/s: 12.00 24.00. 1388 kc/s: 07.00–18.00. – **V.** by QSL-card and letter.
ANN.: "Habla RADIO JUVENTUD DE..... Estacion Escuela no. ... de la Cadena Azul del Frente de Juventudes".
SINTONÍA: Juventud Española", march-song of del Frente de Juventudes. – INT.-SIG.: Two notes of trumpet.
PUBLICATIONS: "Cine – Radio – Television", monthly, 100 pages.

SOCIEDAD ESPANOLA DE RADIODIFUSION (Comm.).
ADDR.: Av. de José Antonio num. 32, Apt. 745, Madrid.
Cable: SER, Madrid. – L.P.: Pres.: D. A. Garrigues y Diaz-Cañabate. Dir. Gen.: D. V. Oñate Sánchez. Dir. Tec.: D. F. Martinez Gonzáles. Dir. Prgr.: D. M. Aznar, Dir. Adm.: D. P. Estaun Ipiens. Dir. Transm.: D. M. Rodriguez Cano. Dir. Inf.: Srta M. Josefa Rubio.

STATIONS:	Call	k/cs	m	kW	Hours of Transmission
R. Madrid	EAJ7	683	439.2	20	07.00–24.00
R. Barcelona	EAJ1	809	370.8	10	06.15–24.00
R. Valencia	EAJ3	1259	238.3	5	07.00–24.00
R. Galicia[1])	EAJ4	1448	207.2	1	12.30–23.00
R. Sevilla	EAJ 5	800	375.0	5	07.30–24.00
R. S. Sebastian	EAJ8	1025	292.7	5/10	08.00–23.30
R. Reus	EAJ11	1412	212.5	1	11.00–23.30
R. Bilbao	EAJ28	1133	264.8	2.5	09.00–23.30
R. Alicante	EAJ31	1448	207.2	1	10.00–23.00
R. Alcira	EAJ54	1493	200.9	0.2	09.00–23.00
R. Mediterraneo, Valencia		6995	42.89	1	11.00–15.00, 18.00–23.30
ASSOCIATED STATIONS:					
R. Tanger		1079	278.0	10	08.00–22.30
R. Mallorca	EAJ13	1430	209.8	5	11.00–15.00, 17.00–23.00
R. Castellón	EAJ14	1502	199.7	0.5	11.00–15.00, 17.00–23.00
R. Granada	EAJ16	1448	207.2	1	08.00–24.00
R. Murcia	EAJ17	1511	198.5	0.2	08.00–24.00
R. Rioja (Logroño)	EAJ18	1487	202.1	1	11.00–15.00, 18.00–23.00
R. Huesca	EAJ22	1475	203.4	0.2	12.00–15.00, 19.00–23.00
R. Gandía	EAJ23	1412	212.5	0.2	10.00–16.00, 18.00–23.00
R. Castilla, Burgos	EAJ27	1448	207.2	9	12.30–15.00, 19.00–23.00
R. Santander	EAJ32	1448	202.2	0.2	11.00–23.00
R. Gijon	EAJ34	1492	201.1	0.2	10.00–16.00, 18.00–23.00
R. Pontevedra	EAJ40	1493	200.9	1	12.00–15.30, 19.30–23.00
R. Coruña	EAJ41	1295	231.7	1	13.00–23.00
R. Albacete	EAJ44	1493	200.9	0.4	09.00–23.00
R. Valladolid	EAJ47	1475	203.4	0.3	11.30–23.30
R. Vigo	EAJ48	1403	214	1	09.00–15.00, 18.00–23.00
R. Las Palmas	EAJ50	1313	228.5	0.5	10.30–23.30
R. Extremadura[2])	EAJ52	1484	202.2	2.5	11.00–23.00
R. Salamanca	EAJ56	1331	225.4	1	12.00–23.00
R. Jerez[3])	EAJ58	1492	201.1	0.2	12.00–15.00, 17.00–23.00
R. Jaen	EAJ61	1450	207.0	1	12.00–15.00, 17.30–23.00
R. Vitoria	EAJ62	1385	216.6	1	09.00–23.00

The E. B. U. Bulletin

is the best and the most up-to_date of all international publications dealing with broadcasting and television.

It appears every two months.

ADMINISTRATIVE OFFICE OF THE E. B. U.
1, rue de Varembé GENEVA (Switzerland)

The REPORT (on short wave reception) and the REPORT (on medium and long wave reception) in the European broadcasting are *published by the*

TECHNICAL CENTRE OF THE E. B. U.
4, rue de la Vallée BRUSSELS (Belgium)

are the best documented and the most objective reports of this nature.

Le Bulletin de l' U. E. R.

est le mieux et le plus complètement renseigné de tous les périodiques internationaux de radiodiffusion et de télévision

Paraît tous les deux mois

OFFICE ADMINISTRATIF DE L'U. E. R.
1, rue de Varembé GENÈVE (Suisse)

Les RAPPORTS d'ECOUTE (ondes courtes) (ondes moyennes et longues dans la Zone européenne de radiodiffusion)

édités par le

CENTRE TECHNIQUE DE L'U. E. R.
4, rue de la Vallée BRUXELLES (Belgique)

sont les plus documentés et les plus objectifs.

RED DE EMISORAS DEL MOVIMIENTO (R. E. M.)

ADDRESS: Ayala 15 – MADRID – SPAIN

EMISORAS CENTRALES

EFE 14, LA VOZ DE MADRID — EFE 3, RADIO ALERTA

EFE 23 La Voz de Guipúzcoa
Victor Pradera, 12. – San Sebastián.

EFE 22 Radio Oviedo
Asturias, 9. – Oviedo.

EFE 26 Radio Luarca
Luarca (Asturias).

EFE 15 Radio Ferrol
General Franco, 138. El Ferrol del Caudillo (La Coruña).

EFE 31 La Voz de Vigo
Avda. García Barbón, 3. Vigo (Pontevedra)

EFE 25 Radio Cantabria
Pasaje del Arcillero, 2. Santander.

EFE 4 Radio Palencia
Becerro de Bengoa s/n. Palencia.

EFE 57 La Voz de Navarra
Navarro Villoslada, 17. Pamplona.

EFE 29 Radio Tudela
Eza, 5. Tudela (Navarra)

EFE 10 Radio Alava
Calvo Sotelo, 34. Vitoria.

EFE 5 La Voz de León
Ordoño II, 28. León.

EFE 1 La Voz de Valladolid
Angustias, 1. Valladolid.

EFT 32 Radio Avila
Vallespín, 14. Avila

EFE 33 Radio Tarragona
Rambla del Generalísimo, 77. Tarragona.

EFE 51 Radio Mora de Ebro.
Valle, 9. Mora de Ebro (Tarragona).

EFE 52 Radio Vendrell
San Magín, 5. Vendrell (Tarragona).

EFE 28 Radio Tortosa
Teodoro Gonzalez, 4. (Tortosa Tarragona)

EFE 50 La Voz de Cataluña
Plaza de la Universidad, 3. Barcelona.

EFE 9 Radio Villafranca.
Plaza. Generalísimo, 13. Villafranca del Panades (Barcelona).

EFE 39 Radio Berga.
Plaza. San Pedro, 9. Berga (Barcelona).

EFE 54 Radio Cardona.
Plaza. Generalísimo, 5. Cardona (Barcelona).

EFE 27 Radio Maresma de Mataró
Generalísimo, 45. Mataró (Barcelona)

EFE 16 Radio Puigcerdá.
Plaza Mayor, 19. Puigcerdá (Gerona).

EFE 20 Radio Ripoll
Plaza del Caudillo, 5. Ripoll (Gerona)

EFE 40 La Voz de la Costa Brava.
Ave María, 3. Palamós (Gerona).

EFE 41 Radio Olot
Plaza del Carmen. Olot (Gerona)

EFE 53 Radio Roda de Ter.
Bach, 43. Roda de Ter (Barcelona).

EFE 55 Radio Vich
San Antonio, 4. Vich (Barcelona).

EFE 56 Radio Blanes.
Mercaderes, 4. Blanes (Gerona).

EFE 35 Radio Tárrega
Avda de Cataluña, 17. Tárrega (Lérida)

EFE 17 La Voz de Levante
Pascual y Genis, 27. Valencia.

EFE 11 Radio Utiel.
Alamos, 4. Utiel (Valencia).

EFE 13 Radio Sagunto.
Comandante Padín Arnaiz, 7. Sagunto (Valencia).

EFE 18 Radio Játiva.
Moncada, 14. Játiva (Valencia).

EFE 42 Radio Sueca.
Plaza de los Reyes Católicos, 9. Sueca (Valencia).

EFE 43 Radio Requena.
Villajoyosa, 3. Requena (Valencia).

EFE 44 Radio Picasent.
Santa Ana, 11. Picasent (Valencia).

EFE 46 Radio Guadasuar.
Santa Lucía, 11. Guadasuar (Valencia).

EFE 47 Radio Cullera.
Doctor Alemany, 6. Cullera (Valencia).

EFE 48 Radio Carlet.
Maestro Martínez, 5. Carlet (Valencia).

EFE 49 Radio Chelva.
Clavel, 18. Chelva (Valencia)

EFE 59 Radio Manises.
Valencia, 4. Manises (Valencia).

EFE 2 Radio Teruel
Plaza de General Mola, 11. Teruel.

EFE 8 La Voz de Alicante.
Angel Lozano, 14. Alicante.

EFE 7 Radio Denia.
Marqués del Campo, 23. Denia (Alicante).

EFE 12 Radio Monovar.
Mayor, 129. Monevar (Alicante).

EFE 24 Radio Orihuela.
Ramón y Cajal, 38. Orihuela (Alicante).

EFE 38 Radio Badajoz
Cardenal Carvajal, 2. Badajoz.

EFE 6 Radio Càceres.
Ronda del Carmen, 4. Cáceres.

EFE 45 La Voz de Granada
Recogidas, 9. Granada.

EFE 21 Radio Cazorla
Gómez Calderón. Cazorla (Jaén).

EFE 60 Radio Vélez Rubio.
Fernando Primo de Rivera, 11. Vélez Rubio (Almería).

EFE 61 Radio Adra.
Adra (Almería).

EFE 62 Radio Berja.
Berja (Almería).

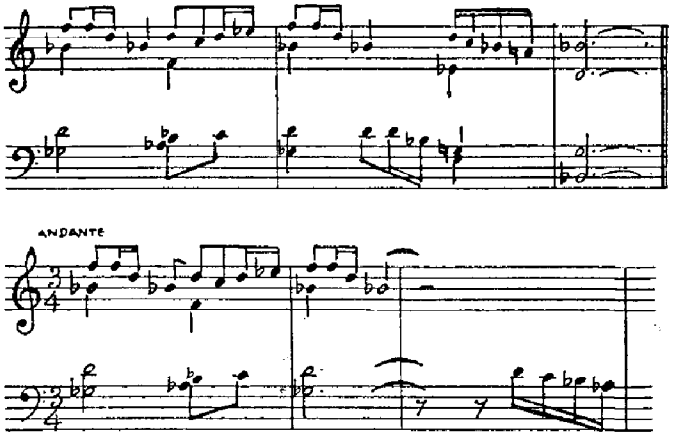
R. Segovia	EAJ64	1502	199.7	0.8	12.00–15.00, 19.00–23.00
R. Ciudad Real	EAJ65	1493	200.9	0.2	12.00–15.00, 17.30–23.00
R. Zamora	EAJ72	1375	218.0	0.2	12.00–23.00
R. Zaragoza	EAJ101	872	344	30	09.00–15.00, 17.00–24.00

[1]) Santiago Compostela. [2]) Bajadoz. [3]) Jerez de la Frontera

NATIONAL SERVICE:

The prgrs. of Sociedad Espanola are rel. simultaneously by all the sts as follows: 19.00–19.30 (Mo.-Fri.), 20.00–22.00 (Tues.–Sat.), 21.30–22.20 (Tues., Thurs., Fri.) 15.30–19.30 (Sun.)

ANN. National Service: "Transmite la Sociedad Española de Radiodifusion a través de su gran cadena de 37 emisoras". – **Sociedad Espanola de Radiodifusion** "Transmite EAJ, Radio... de la Sociedad Espanola de Radiodifusion" – INT.-SIG. for Home Sce:



V. by letter. – PUB.: "ONDAS" fortnightly.

COMPANIA DE RADIODIFUSION INTERCONTINENTAL (Comm.)

ADDR.: R. Intercontinental, Diego de Leon, 50, Madrid. Cable: "Ondatlantica".

HOME SERVICE: 953 kc/s 314.8 m 20 kW: 09.00–00.30.

AFFILIATED STATIONS:

The times undicated are local time; deduct one hour to GMT.

R. Alcoy	1490 kc/s	201	–	0.8 kW	12.00–23.00
R. Algeciras	1500 –	200	–	0.2 –	12.00–23.00
R. Alicante	7940 –	37.78	–	1.2 –	12.00–23.00
R. Almería	1493 –	201	–	0.2 –	12.00–23.00
R. Cadiz	1495 –	201	–	0.2 –	13.00–23.30
R. Córdoba	1447 –	207	–	0.2 –	12.00–22.30
R. Huelva	850 –	352	–	2 –	13.00–23.00
R. Lérida	1492 –	201	–	0.2 –	12.00–23.00
R. Linares	1492 –	201	–	0.2 –	12.00–22.30
R. Lugo	1500 –	200	–	0.2 –	13.00–23.00
R. Malaga	989 –	308	–	8 –	12.00–24.00
R. Manresa	1492 –	201	–	0.2 –	13.00–23.00
R. Melilla	1492 –	201	–	0.2 –	12.00–23.00
R. Onteniente	1500 –	209	–	0.5 –	12.00–23.00
R. Orense	1492 –	200	–	0.2 –	13.00–22.30
R. Asturias Oviedo	1258 –	238	–	0.35 –	12.00–23.00
R. Andorra	998 –	301	–	60 –	11.00–23.00
R. Andorra o.c.	5972 –	50.22	–	25 –	11.00–23.00
R. Africa	935 –	321.0	–	15 –	07.00–23.00
R. Renascença Lisboa	6154 –	48.74	–	0.6 –	12.00–15.00
R. Renascença Oporto	1169 –	256.6	–	1 –	18.30–24.00
R. Elche	1519 –	197	–	0.2 –	13.00–22.00
R. León	1504 –	200.6	–	0.2 –	12.00–22.00

ANN.: "Aqui Madrid Emisora Radio Intercontinental." – INT.-SIG.: Opens and closes with "Pan y Toros".

RADIO ESPANA

ADDR.: Manuel Silvela 9, Madrid.

HOME SCE.: Madrid EAJ2 854 kc/s 351.2 m 3.5 kW: 07.00–23.30.

ADDR.: Rambla de los Estudios 8, Barcelona.

HOME SCE.: EAJ15 1124 kc/s 266.9 m 3 kW: 12.30–23.00.

★ SWEDEN ★

L.T.: GMT + 1 h. – L.: Swedish. – Rcvrs: 2.582.967.

SWEDISH BROADCASTING CORPORATION (Non-comm., semi-govt. broadcasting corporation).

ADDR.: Sveriges Radio A/B, Stockholm 7. Cable: "Broadcasts".

L.P.: Chairman Board of Governors: Per Eckerberg. Dir. Gen.: Olof Rydbeck. Deputy Dir. Gen.: Sven Jerring. Dir. of Prgr. Radio: Nils-Olof Franzén. Dir. Prgr. TV: Henrik Hahr. Dir. Adm.: Erik Mattson. Dir. Tec. Radio and TV: Johan von Utfall. Dir. Music: Nils Castegren. Dir. Drama: Palle Brunius. Dir. Publications Dept.: Manne Ginsburg. Dir. Spoken Word: Nils-Erik Bachrendtz. Head of Press and Information: Philip von Krusenstierna. Head External Relations: Karin Bergman.

DISTRIBUTION OF PROGRAMMES: ADDR.: The Board of Telecommunications, Stockholm 16. Cable: "Gentel".

L.P.: Dir. Gen.: H. Sterky. Chief of Radio Division: E. Esping. Chief of Broadcasting Section: K. Ekström.

STATIONS:

Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Luleå	182	1648.4	10	Visby	1394	215.2	0.5
Motala	191	1570.7	150	Gävle	1448	207.2	0.5
Sundsvall	593	505.9	150	Hudiksvall	1448	207.2	1.5
Østersund	719	417.2	150	Västerås	1448	207.2	2.0
Malmberget	773	388.1	2	Ørnsköldsv.	1448	207.2	1.5
Stockholm	773	388.1	150	Falkenberg	1448	207.2	0.2
Göteborg	980	306.1	150	Göteborg II	1484	202.2	0.25
Hörby	1178	254.7	100	StockholmII	1484	202.2	0.25
Falun	1223	245.3	100	Porjus	1529	196.2	0.075
Hälsingborg	1394	215.2	1.5	Söderhamn	1529	196.2	0.06
Eskilstuna	1394	215.2	0.5	Umeå	1529	196.2	1.5
Jönköping	1394	215.2	2	Borås	1562	192.1	2.0
Karlskrona	1394	215.2	1.5	Halmstad	1562	192.1	2.0
Kiruna	1394	215.2	0.5	Kalmar	1562	192.1	2.0
Kristineh.	1394	215.2	0.2	Karlstad	1562	192.1	0.25
Säffle*	1394	215.2	0.4	Malmö	1562	192.1	2.0
Trollhättan	1394	215.2	2	Norrköping	1562	192.1	1.5
Uppsala	1394	215.2	0.5	Uddevalla	1562	192.1	0.5
Varberg	1394	215.2	2	Örebro	1562	192.1	0.5

*) Private st.

Short Waves: Hörby 1 og 2 100 kW. Motala 12 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6065	49.46*	7270	41.27**	11705	25.63	15155	19.80
6095	49.22*	9535	31.46	11810	25.40	15240	19.69
7210	41.61	9620	31.19	11880	25.25*	17840	16.82

* nondirectional ** Motala 12 kW.

F.M.

	mc/s	kW		mc/s	kW
Östersund	87.9	60	Norrköping II	93.5	15
Örebro II	91.5	1.5	Gävle	93.9	15
Östersund II	91.5	60	Hälsingborg II	95.7	3
Göteborg II	92.1	20	Stockholm II	96.6	60
Stockholm I	92.4	60	Sundsvall II	96.9	15
Hälsingborg	92.8	3	Gävle II	98.7	15
			Malmö II	98.7	1.5

F.M. tr. under construction. 1958.

	mc/s	kW		mc/s	kW
Varberg	87.6	3	Varberg II	93.6	3
Borlänge	89.4	15	Borås II	94.6	3
Hörby II	92.4	15	Västerås	95.7	15
Borlänge II	93.0	15	Västerås	98.4	15

HOME SERVICE

LONG AND MEDIUM WAVES: Mo.–Fri.: 05.15–14.00, 15.30–22.00 (approx.). Sat. 05.15–23.00. Sun. 06.20–22.00 (approx.).

The following long and medium wave stations are generally the most reliable for listeners in Europe: Motala 150 kW, 191 kc/s and Hörby 100 kW, 1178 kc/s.

SHORT WAVES:

05.00–09.00, 17.45–22.45 6065 kc/s. – 09.00–12.15 11880 kc/s. – 05.00–23.00 7270 kc/s.

(7270 kc/s radiates the 2nd prgr. at 18.30–21.15).

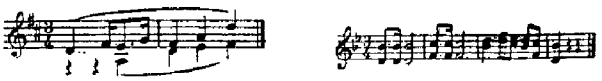
N.: 05.30 (W.), 07.00, 11.30, 18.00, 21.15. – **Wrp.:** 05.30 (W.), 07.00, 11.30, 17.55, 21.15. – **Weather Forecast for Swedish Waters:** 16.53. – **Request Prgr.:** Tues. 17.00–18.00. – **Prgr. Preview:** 05.40 (W), 07.10, 11.10 or 11.45 (W), 11.40 (Sun.), 14.00 (W), 17.55. – **Bells of the Town Hall in Stockholm:** W. 11,00. – **Mailbag:** 18.30 (Thurs.).

SECOND PRGR.: FM and 7270 kc/s: 18.30–21.15. – N.: 20.00.

ANN. (National Prgr.): "Sveriges Radio..." and the name of the transmitting station. For instance: "Sveriges Radio, Stockholm."

INT.-SIG.: Home Service (2nd Prgr.): From Bellmann's "Fredmans Epistel No. 64": "Fäll dine ögon skäms nu din tossa."

Home Service 1st Prgr.: Home Service 2nd Prgr.:



FOREIGN SERVICE

STATIONS: Hörby – 100 kW.

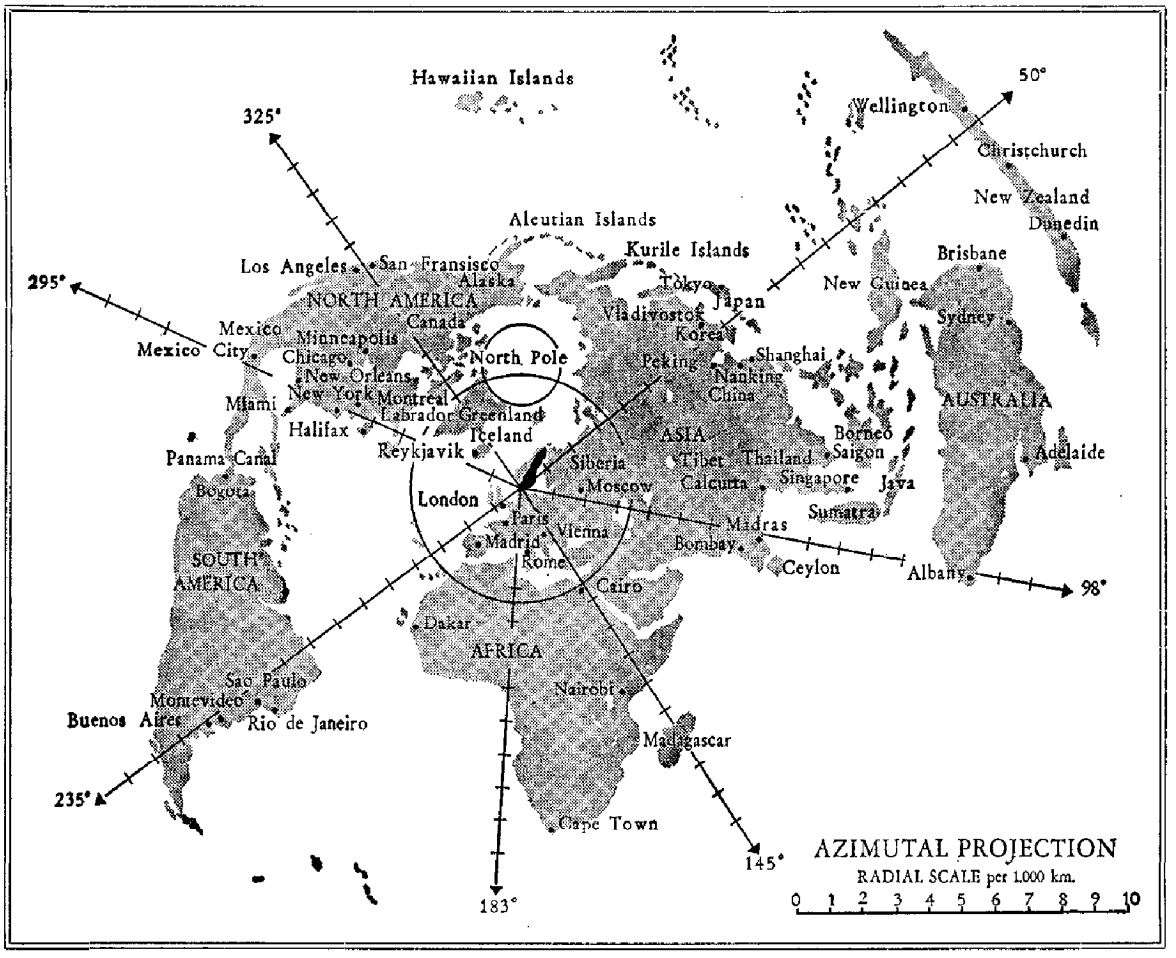
kc/s	m	kc/s	m	kc/s	m
1178	254.7	9620	31.19	11880	25.25
6065	49.46	11705	25.63	15240	19.69
7210	41.61	11810	25.40	17840	16.82

Advertisement

"THIS IS RADIO SWEDEN"

calling the rest of the world with beamed transmissions in six languages daily: **ENGLISH · FRENCH · GERMAN SPANISH · PORTUGUESE · SWEDISH** *and bringing you News, Music & Feature Programmes from Sweden, over Radio Sweden's 100 K/W transmitters.*

„The transcription service *offers a wide range of recorded programmes about Sweden for rebroadcast in other countries."*



See p. 74 for schedules.

Sweden

EUROPEAN SERVICE: 20.00–21.00, 20.45–22.15, 23.00–00.30 (the same frequencies are used throughout the year).

English:
20.30–21.00 7210
00.00–00.30 1178

French:
23.30–24.00 1178

German:
20.00–20.30 7210
23.00–23.30 1178

Portuguese:
22.00–22.45 11705

Spanish:
21.15–21.45 11705

OVERSEAS SERVICE:
Periods: 1 per. Nov., Dec., Jan., Febr. – 2 per. March, April. – 3. per. May–August. – 4. per. Sept., Oct.

Service	h. of transm.	Languag.	1. per. m.b.	2. per. m.b.	3. per. m.b.	4. per m.b.
W. No. Am.	02.15–03.00	Swedish	9620	11810	11810	11810
	03.00–03.30	English				
Ea. No. Am.	14.00–14.30	English	17840	117840	117840	17840
	00.45–01.30	Swedish	11810	11810	11810	11810
	01.30–02.00	English				
Mex.-C.Am.	03.45–04.30	Spanish	11810	11810	11810	11810
So. Am.	23.00–23.45	Spanish	9620	9620	11705	9620
	23.45–00.30	Portugs.	11705	11705	15240	11705
	00.45–01.30	Swedish	11705	11705	11705	11705
	01.30–02.15	Portugs.				
	02.15–03.00	Spanish				
Africa	17.45–18.15	English	11705	15240	15240	15240
	18.15–19.00	Swedish				
M. East	19.15–19.45	French	17840	11705	15240	11705
	16.15–16.45	English	11705	17840	17840	17840
	16.45–17.30	Swedish				
So. Asia	14.45–15.05	English	15240	15240	15240	15240
	15.15–16.00	Swedish	6920	17840	17840	17840
Far East	12.30–13.00	English	15240	15240	15240	15240
	13.00–13.45	Swedish	9620	11880	17840	11880

Europe:
20.00–20.30 **German** 7210 kc/s
20.30–21.00 **English** 7210
21.15–22.00 **Spanish** 11705
22.00–22.45 **Portugs.** 11705 kc/s
23.00–23.30 **German** 1178 –
23.30–00.00 **French** 1178 –
00.00–00.30 **English** 1178 kc/s

Radio Sweden reserves the right to alter the schedule if necessary.

SWEDEN CALLING DX-ers: Every Mo. in all English language broadcasts.
ANN.: **E:** "This is Radio Sweden." – **F:** "Ici Stockholm." – **G:** "Hier ist der schwedische Rundfunk, Stockholm." – **Sp:** "Habla Estocolmo." – **P:** "R. Suécia apresenta." – **Sw:** "Sveriges radio, Stockholm."
INT.-SIG.: Home Service (1st Prgr.) and Foreign Service: The first movement of Carl Michael Bellman's: "Storm och böljor tystna ren."

V.: by QSL-card, folder and/or letter. R. Sweden will appreciate all letters and reports on reception of the transmissions. Prgr. schedules by writing to Radio Sweden, Stockholm 7.
PUB.: Monthly: "Radio Sweden" in five languages: English, French, German, Spanish, Portuguese – from January 1958.

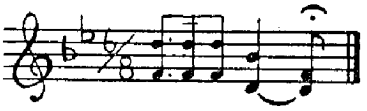
IBRA RADIO AB (Non-Comm., Non-Go. – Christian).
ADDR.: IBRA RADIO, Box 821, Stockholm 1. – **Studios:** The main studio in Sveavägen 34, Stockholm. Co-workers in Tangier, France, Germany, Gt. Britain, Belgium, Holland, Portugal, Italy, America, Finland, Denmark, Norway and Japan. – **Cable:** "IBRARADIO". – **L.P.:** Pres.: Dr. Lewi Pethrus. Vice Pres.: Karl G. Ottoson. Dir. Prgr.: H. Carlsson.

STATIONS: R. Africa Tanger.
935 kc/s 321.1 m 100 kW – 9900 kc/s 30.3 m 10 kW
11342 kc/s 26.5 m 10 kW – 14858 kc/s 20.2 m 2.5 kW

SHORTWAVE SCE.:
Swedish: D. 17.00–17.30, 18.30–20.15 (Sun. 20.30), 21.00–21.15. – **Addr.:** Ibra Radio, Box 821, Stockholm, Sweden.
Norwegian: D. exc. Wed. 17.30–18.00. – **Addr.:** Ibra Radio, St. Olavsgat. 24, Oslo, Norway.
Danish: Tues.-Fri. 20.45–21.00. – **Addr.:** Ibra Radio, Box 151, Copenhagen K., Denmark.
Finnish: Wed. 17.30–18.00, Fri. 20.15–20.30. – **Addr.:** Ibra Radio, Helsinki, Finland.
French (for Belgium): Mo. 18.15–18.30. – **Addr.:** Ibra Radio, LVC BP 32, Namur, Belgium.
Dutch: Tues., Thurs., Sat. 20.15–20.30. – **Addr.:** Ibra Radio, Leeuwarden, Holland.
German: D. 20.30–20.45. – **Addr.:** Ibra Radio, Hamburg 6, Germany.
English: Tues., Fri. 18.00–18.15. D. 21.15–21.45. – **Addr.:** Ibra Radio, Luton, Beds., England.
French: D. exc. Mo. 18.15–18.30. – **Addr.:** Ibra Radio, Boite Postal 104, Paris 14è, France.
Italian: Sat.-Mo. 20.45–21.00, Wed. 20.15–20.30. – **Addr.:** Ibra Radio, Casella Postale 2388, Roma, Italy.
Russian: Sat. 18.00–18.30; **Polish:** Sun. 18.00–18.15; **Hungarian:** Mo., Thurs. 18.00–18.15; **Estonian:** Mo. 20.15–20.30; **Greek:** Wed. 18.00–18.15 – **Addr.:** as for Swedish.
Japanese: Wed. 21.15–21.30. **Addr.:** Ibra Radio, P. O. Box 116, Yokohama, Japan.
Last **Tues.** of every month prgr. in **Esperanto** at 19.00–19.15.
Last **Wed.** of every month prgr. for **DX-ers** at 19.30–19.45.

MEDIUM WAVE SCE.
Italian: Thurs., Sat. 21.45–22.00. – **Addr.:** see s.w.-sce.
French: Mo., Wed., Fri. 17.15–17.30. Sun., Tues., Sat. 21.30–21.45 – **Addr.:** see s.w.-sce.
Spanish: Sun. 07.45–08.00, W. 06.45–07.00, Mo., Wed., Thurs., Fri. 21.30–21.45. – **Addr.:** Ibra Radio, Tanger.
Portuguese: Sun., Tues., Thurs., Sat. 17.15–17.30, Mo., Tues., Wed., Fri. 21.45–22.00. – **Addr.:** Ibra Radio, Apt. 133, Lisboa-Norte, Portugal.
English: Sun. 21.45–22.00. – **Addr.:** see s.w.-sce.
Ibra Radio reserves the right to alter the schedules, if necessary.

ANN.: Swedish: "Detta är Ibra Radio som sänder över Radio Africa Tanger". Norwegian: "Dette er Ibra Radio, Norge, som sender på kortbølge over Radio Africa Tanger". Danish: "De lytter til Ibra Radio, Danmark, der på kortbølge sender over Radio Africa Tanger". Finnish: "Täällä Ibra Radio, Helsinki". Dutch: "Hier ist de Ibra Radio, die Uitzendt over Radio Africa Tanger". German: "Hier ist Ibra Radio, Deutschland und sendet über Radio Africa Tanger". English: "This is Ibra Radio, transmitting from Radio Africa Tanger". French: "Ici Ibra Radio, France". Belgian: "Ici Ibra Radio, Belgique". Italian: "Qui Ibra Radio, Roma, trasmessa da Radio Africa Tanger". Spanish: "Aqui Ibra Radio que transmite ...". Portuguese: "Aqui Ibra Radio que...". Esperanto: "Jen Radio Ibra kiu, sendas pere de Radio Africa Tanger".
INT.-SIG.: From Lewi Pethrus' song: "Löftena kunna ej svika".



V. by QSL-card. Listeners reports of prgr. in different languages can be addressed to the addr. above of the countries mentioned. All of them have different QSL-cards. – **F.PL.:** Prgrs. in Jap., Greek, Yugoslavian. – **PUB.: Monthly:** "IBRA" in a Swedish and an English edition. **Daily:** "DAGEN", Sweden's greatest Christian newspaper.

> IBRA RADIO FEDERATION (headquarters in Tangier) is an international federation of listeners. Anybody can become a member of this federation. "IBRA", the monthly magazine, is mailed to each member. The membership fee is: Sw. Crowns 25.–, US $ 10.– or Engl. £ 1. IBRA RADIO MISSION is an organ receiving gifts in favour of this Swedish free radiowork.

★ SWITZERLAND ★

L.T.: GMT + 1 h. **L.:** German, French, Italian, Romansch. **Rcvrs.:** 1.294.152.

SWISS BROADCASTING CORPORATION
(Working under Go. Charter, Non-Comm.).
ADDR.: Schweizerische Rundspruchgesellschaft, Societé Suisse de Radiodiffusion, Swiss Broadcasting Corporation, Societa Svizzera di Radiodiffusione-Neuengass-Passage 2, Berne. – **Cable:** "Radif".
Schweizerischer Kurzwellendienst, Service Suisse des Ondes Courtes, Swiss Shortwave Service, Neuengasse 23, Berne.
Regional Centres: Radio Zurich, Brunnenhofstrasse 20, Zürich. – **R. Berne,** Schwarztorstrasse 21, Berne. – **R. Basel,** Novarastrasse 2, Basel. – **R. Lausanne,** Maison de la Radio, La Sallaz, Lausanne. – **R. Genève,** 66, Boulevard Carl Vogt, Genève. – **R. Lugano,** Campo Marzio, Lugano.
L.P.: Pr. of the Board of Adm.: Dr. Fritz Rothen (until 31st December 1957). Dir. Gen. of S.B.C.: Marcel Bezençon. Head of Adm., Deputy Dir. Gen.: Georges Conus. Dir. of Swiss Shortwave Sce.: Paul Borsinger. Deputy Dir. of Swiss Shortwave Sce.: Dr. Gerd H. Padel. Head of Spoken Word in Swiss Shortwave Sce.: Hans de May. Head of Television Sce.: Edouard Haas.
Manager of the Regional Centres: Beromünster: Studio Zürich: Dr. Samuel Bächli. Studio Berne: Dr. Kurt Schenker. Studio Basel: Dr. Fritz Ernst. **Sottens:** Studio Lausanne: Jean-Pierre Méroz. Studio Genève: Dr. René Dovaz. **Monte Ceneri:** Studio Lugano: Dr. Stelio Molo.

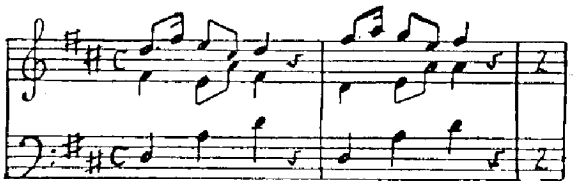
HOME SERVICE

GERMAN:
First Prgr.: W.: 05.15–06.30, 10.00–13.30, 14.59–22.15. Sat.: 05.15–06.30, 10.00–22.15. Sun. 06.45–22.15.

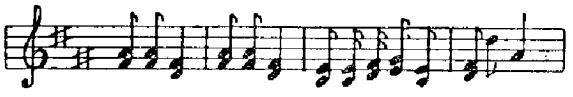
	kc/s	m	kW		kc/s	m	kW
Beromunster	529	567.1	150	Chur	1367	219.5	0.5 rel.
Sool	1367	219.5	0.5 rel.	Basel	1367	219.5	0.5 rel.

FM: Relay Beromünster:
Niederhorn 99.6 mc/s. – St. Anton 96.9 mc/s. – Gstaad and Ladir 96 mc/s. Tarasp 95.1 mc/s. – Sool 94.8 mc/s. – Leuk 93 mc/s. – Attinghausen 90.9 mc/s.
N.: D.: 05.15(W), 06.00(Sun. 06.50), 11.30, 18.30, 21.15. – **Wrp.:** 06.00, 11.30, 18.30, 21.15. – **Prgr. Preview:** Sun. 06.55; W. 05.55, 18.20. – **Symphony:** Tues. 19.00. – **Religious:** Sun. 07.45, Catholic Sermon – 08.45, Protestant. Sermon. – **Request Prgr.:** Mo. 19.00. – **Mbg.:** Mo. 19.30. – **Commentary:** 18.40, Fri. 18.05. – **"World Chronicle":** Mo. 21.20 (Review for Swiss abroad). – **R. Plays:** Thurs. 19.00.
Second Prgr.: D. 19.00–21.15 (Sun. also two h. in the afternoon).
FM: Second Prgr.: Basel 99 mc/s – Uetliberg 97.5 mc/s – Bantiger 95.1 mc/s.

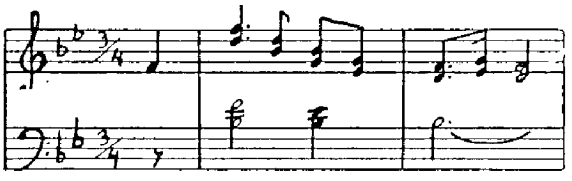
FRENCH:
First Prgr.: W.: 06.00–07.00, 10.00–13.00, 14.59–22.15. Sat.: 06.00–07.00, 10.00–22.15. Sun. 06.10–22.15.
Sottens 764 kc 392.6 m 150 kW / Saviese 1367 kc 219.5 m 0.5 kW rel.
FM: Rel. Sottens: Loèche 88.2 mc/s – Les Ordons 94.2 mc/s – Ravoire 99.3 mc/s.
N.: D.: 06.15, 11.45, 18.15, 21.30. – **Wrp.:** 06.15, 11.45, 18.15, 21.30. – **Prgr. Pr.** 18.14. – **Symphony:** Wed. 19.30. – **Religious:** Sun. 07.45 High Mass, 09.00 Protestant. – **Request:** Sun. 10.30. – **Mbg.:** Wed. 19.00. – **Commentary:** W.: 17.50, 18.25 (Fri.: "La situation internationale"). – **R. Plays:** Tues. 19.30.
Second Prgr.: D. 19.00–21.30 (Sat. and Sun. also two hours in the afternoon).
FM: La Dôle 91.2 mc/s.
ITALIAN: First Prgr.: W. exc. Sat.: 06.00–06.45, 10.00–13.00, 14.59–22.00. Sat.: 06.00–06.45, 10.00–23.00. Sun. 07.00–22.00.
Monte Ceneri 557 kc/s 538.6 m 50 kW.
FM: Rel. Monte Ceneri: Monte Morello 96.3 mc/s.
N.: D.: 06.15 (Sun. 07.15), 11.30, 18.15, 21.30. – **Prgr. Preview:** 18.20. – **Symphony:** Thurs. 19.30. – **Religious:** Sun. 10.45. – **Request:** W. 17.00. – **Mbg.:** Sun. 13.00. – **Commentary:** 18.20. – **Wrp.:** 06.15 (Sun. 07.15), 11.30, 18.15, 21.30. – **R. Plays:** Fri. 20.00.
Second Prgr.: D. 19.00–21.30 (Sun. also two hours in the afternoon).
Second Prgr.: Monte Ceneri 89.4 mc/s.
COMMON PRGR.: W. 10.00–11.00 from the following studios: Mo. (F) Geneva – Tues. (I) Lugano – Wed. (F) Lausanne – Thurs. (G) Berne – Fri. (G) Zürich – Sat. (G) Basel.
ANN.: Beromünster: "Schweizerischer Landessender Beromünster". – **Sottens:** "Sottens – Emetteur national suisse". – **Monte Ceneri:** "Radio della Svizzera italiana – Stazione nazionale di Monte Ceneri".
INT.-SIG.: Beromünster: Radio Basel: "Z' Basel a mym Rhy".



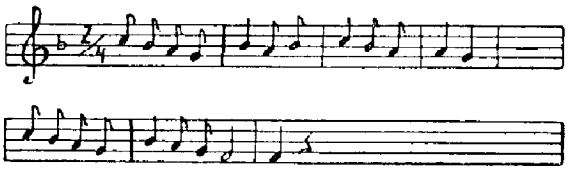
Radio Bern: "D'Zyt isch do".



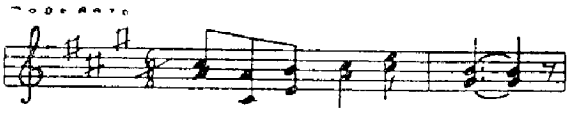
Radio Zurich: "Chum Bueb und lueg dis Ländli a".



Radio Geneve: "Quelle fatale journée" chanson d l'Escalade.



Sottens: Radio Lausanne: "Voici la mi-été".



Monte Ceneri: "Campane delle Chiesa di Pazzalino".

Ver.: Any messages from our listeners and viewers are most welcome.
F.PL.: A network of 48 FM transmitters is under construction.
PUB.: Weekly: Schweizer Radiozeitung, Berne. "Radio – Je vois tout", Lausanne. – "Radioprogramma", Lugano.

FOREIGN SERVICE

Schwarzenburg: 100 kW

HER3	6165 kc/s		48.66 m	HEU7	17720 kc/s		16.93 m
HEI3	7210	–	41.61 –	HER7	17784	–	16.87 –
HER4	9535	–	31.46 –	HER8	21520	–	13.94 –
HEU3	9665	–	31.04 –	HEI9	21605	–	13.88 –
HER5	11865	–	25.48 –	HER9	25640	–	11.70 –
HER6	15305	–	19.60 –				

EUROPEAN SERVICE:
German, French, Italian on 6165/9535 kc/s W.: 05.10–07.00, 10.00–13.00, 15.00–22.40, Sat. 05.15–07.00, 10.00–22.40. Sun.: 06.10–22.40.
N.: (G=German, F=French) 05.15 (G), 06.00 (G), 06.15 (F), 11.30 (G), 11.45 (F), 18.15 (F), 18.30 (G), 21.30 (F), 22.20 (G).
Esperanto: Tues., Thurs. 11.55 and 17.35.
European Service rebroadcast to Africa: 05.15 (Sun. 06.10)–07.00 on 21520, 10.00–12.30 21520/25640, 14.45–22.40 17784/21520 kc/s. (14.45–16.30 same prgr. in E. as for India and Pakistan).

OVERSEAS SERVICE

English	Beamed Areas	kc/s
18.45–20.30	U. K. Ireland	9665/7210
01.30–03.15	N. America (I)	11865/9665/9535/6165
04.15–05.00	N. America (II)	11865/9665/9535
07.15–09.00	Au., N.Z., W. Au., F. East	25640/17784/11865
12.45–14.30	Japan, S. E. Asia	15305/21605
14.45–16.30	India, Pakistan	21605/11865
14.45–16.30	So. Africa	21520/17784
16.45–18.30	Middle East	17720/11865

Prgrs. in all transmissions:
Folk music: D. – **On the spot:** Actuality prgr. Sun./Mo. – **Do you know this?:** SBC Quiz prgr., on last Sun. of each month: Mailbag Sun. – **Jazz Panorama:** The best in jazz around the world Mo./Tues. – **Madeleine presents:** Women's prgr. Tues./Wed. – **Home Town:** Sketches of Swiss towns Tues./Wed. – **Swiss composers and Chamber Music:** Tues./Wed. – **Light classics:** A new music prgr. Tues./Wed. – **Around and about:** Album feature Wed./Thurs. – **Dance with lance:** Swiss country music. Thurs./Fri. – **DX programme:** Every first Thurs./Fri. of each month, in each transm. Thurs./Fri. – **Symphony hour:** Presenting leading Swiss orchestras. Thurs./Fri. – **A date with Dumont:** Cedric Dumont and his light orchestra. Fri./Sat. – **A reporter abroad:** Fri./Sat. – **World youth radio magazine:** Youth prgr. Sat./Sun. – **A penny – a song:** Request prgr. Sat./Mo. – **Sunspot Predictions** (after the Home News): 4th/5th of each month.
Arabic: Every Fri., in our Middle East tr. starting at 17.30 we are broadcasting a prgr. in Arabic prepared by the International Committee of the Red Cross.
Spanish:

21.00–22.30	Spain	11865/9665
23.15–00.45	So. America	9535/11865/15305
03.30–04.00	C. America	9535/11865

News and commentaries (Noticias y comentarios): D. – **Cultural Talk** (Suiza cultural): Mo. – **Switzerland through Spanish eyes** (Suiza entrabierta): Tues. – **Actuality** (Reflejos de la semana): Thurs. – **Press commentaries** (Comentarios de la prensa): Fri. – **Listeners' questions** (Consultorio radiofónico): Sun. – **Sunday entertainment** (Capricho dominguero): Sun. – **Music:** Folk music (música popular): Tues., Thurs., Sun. – Classical music (música sinfónica): Tues. – Swiss composers (Compositores suizos): Thurs. – Ballet music (música de ballet): Sun. – Light music (Cajita de música, cita con Cedric Dumont): Thurs., Sun. – **Request Prgr.** (Bailables): Sat.
Portuguese:

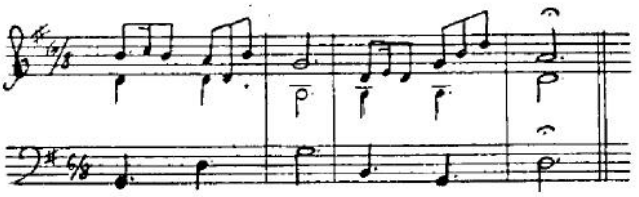
20.45–21.15	Portugal	11865/9665
23.00–23.30	Brazil	9535/11865/15305

News and commentaries (Noticias, comentários): D. – **Actuality** (Coisas da Suíça): Wed. – **Folk music** (Música popular): Tues., Thurs., Sun. – **Request prgr.** (Matando saudades): Sat.
ANN.: E.: "This is Switzerland Calling." **G.:** "Hier spricht die Schweiz." **F.:** "Ici la Suisse." – **I.:** "Qui è la Svizzera." – **Sp.:** "Habla Súiza." –

Deutsche Welle: Chefredakteur Dr. Hans Otto Wesemann.

Danish Shortwave Service: Marianne Linard, who introduces the programmes in English.

P.: "Aqui Suiça."
INT.-SIG.: "Lueget vo Bärgen und Tal."



V.: We are happy to receive letters and reception report which are all replied to or acknowledged by QSL-card and letter.
PUB. for Home Sce.: "Schweizer Radiozeitung", Berne. – "Radio – Je vois tout", Lausanne. – "Radioprogramma", Lugano.

UNO BROADCASTING FROM RADIO GENEVA

ADDR.: Radio et Télévision des Nations Unies, Palais des Nations, Genève. – **Cable:** Omnipress, Genève. – **L.P.:** Dir. Information: W. Gibson Parker. Radio and TV Officer: Roger Minne.
FOREIGN SERVICE: 9520 kc/s 31.51 m 25 kW: Mo.-Fri. 15.45–16.10 to Moscow in Russian.
Twice or more a week "Magazine de l'UNO", rel. by RTF in Paris, 17.25 National Network. – Several times a week, non-scheduled prgr.s on the Sottens (Switzerland) and INR (Brussels) transmitters.
ANN.: E.: "This is United Nations Radio in Geneva". – F.: "Ici les Nations Unies à Genève". – **INT.-SIG.:**

V. by QSL-card or letter. – **PUB.:** Apply to United Nations Radio Information Service, Palais des Nations, Geneva.

BROADCASTS FROM INTERNATIONAL COMMITTEE OF THE RED CROSS, GENEVA

L.P.: Chief of Broadc.: Mr. Georges Kuhne. – **In Peace Time:** ICRC organizes occasional test transmissions on the frequency of 7210 kc, 41.61 m. – **In Times of Crisis:** ICRC broadcasts on the same wavelength programmes containing information regarding missing persons; for this purpose it has the use of other suitable frequencies of the Swiss Broadcasting Services.

★ U.S.S.R. ★

L.T.: See time table. – **L.:** Russian. – **Revrs.:** 7.000.000.
ADDR.: Radio Centre, P.O. Box 939, Moscow. – **Cable:** Moscow Radio.
L.P.: Chief of Sovjetradio: A. Puzin. Chief Eng.: V. Zjelezova.

HOME SERVICES:

STATIONS:
Medium Waves:

	kc/s	m	kW
Moscow RSFSR	151	1987	500
Petropavlovsk-Kamchatskyj	155	1935	
Tashkent	164	1829	
Moscow IRSFSR	173	1734	500
Chita	173	1734	
Alma Ata	182	1648	
Tbilisi	191	1571	
Irkutsk	200	1500	
Moscow II	200	1500	100
Kiev I–Ukrainian SSR	209	1435	150
Baku	218	1376	
Krasnoyarsk	218	1376	
Leningr. IRSFSR	236	1271	100
Vladivostok	245	1224	
Yakutsk	263	1141	
Mosc. II RSFSR	263	1141	150
Novosibirsk	272	1103	
Minsk–White-Russian SSR	281	1068	100
Ulan Ude	281	1068	
Moscow II	340	882.4	100
Kharkov	385	779.0	50
Tashkent I	400	750.0	50
Ukrainian SSR	548	574.4	100
Stalingrad	557	539	
Riga–Latv. SSR	575	521.7	100
Ordzhonikidze	593	506	
Frunze	611	491	
Petrozavodsk Karelian ASSR	611	491	100
Krasnodar RSFSR	611	491	20
Moscow II RSFSR	620	483	20
Simferopol–Ukrainian SSR	647	463.7	100
Murmansk RSFSR	656	457.3	150
Vilnius I–Lithuanian SSR	665	451.1	100
Rostov RSFSR	674	445.1	100
Ufa	692	433.5	100
Stalino–Ukrainian SSR	710	422.5	150
Chelyabinsk	737	407	
Kiev II–Ukrainian SSR	782	383.6	100
Leningrad II–RSFSR	800	375	100
Kuibyshev	809	371	
Gorkij	827	363	
Mosc. III RSFSR	872	344	150
Stavropol	881	340	
Uzigorod–Ukrainian SSR	890	337.1	20
Ivanovo	926	324	
Lvov–Ukrainian SSR	935	320.9	100
Voronezh RSFSR	944	317.8	20
Smolensk RSFSR	971	309	20
Yuzhno-Sakhalinsk	973	308	
Moldavian SSR	998	300.6	100
Tallin I–Esthonian SSR	1034	290.1	100
Dnjepropetrovsk–Ukrainian SSR	1070	280.4	20
Mogilev–Whiterussian SSR	1106	271.2	100
Vilnius II–Lithuanian SSR	1106	271.2	100
Leningrad III–RSFSR	1124	266.9	20
Kaliningrad–RSFSR	1142	262.7	20
Odessa–Ukrainian SSR	1169	256.6	150
Kursk–RSFSR	1214	247.1	20
Tallin II–Esthonian SSR	1214	247.1	5
Tiraspol–Moldavian SSR	1241	241.7	20
Kharkov II–Ukrainian SSR	1322	226.9	100
Kuldiga–Latvian SSR	1349	222.4	20
Madona–Latvian SSR	1349	222.4	20
Kaunas–Lithuanian SSR	1385	216.6	150
Tartu–Esthonian SSR	1403	213.8	20
Tjernogov–Ukrainian SSR	1421	211.1	5
Gomel–Ukrainian SSR	1493	200.9	20
Vinnitsa–Ukrainian SSR	1546	19.40	5
Baranovitji–Whiteruss. SSR	1554	193.1	20

RADIO MOSCOW:
Short Waves: 74, 57, 51, 49, 41, 31, 25, 19, 16, 13 m.b.
1st Prgr.: D. 03.00–22.00 (Sat., Sun. 23.00) on 151, 173, 236, 263 kc/s; D. 03.00–07.00 (Sun. 05.45) on 872 kc/s; D. 12.00–22.00 on 400 kc/s. In the 19, 21, 25, 31, 74 m.b. during daytime and in 41, 49, 51, 74 m.b. during nighttime.
N.: 03.05, 05.00, 06.00, 13.00, 16.00, 19.30. – **Press Review:** 04.00, 09.00. – **Weatherrep.:** after news. – **Prgr. Preview:** D.: 03.20, 04.55, 10.00, 16.18.
2nd Prgr.: D. 07.00 (Sun. 05.45)–22.00 on 872 kc/s; W. 07.00–13.00, Sun. 05.45–16.00 on 548 kc/s; 12.20 (Sun. 13.00)–22.00 on 385 kc/s; W. 07.00–11.30, Sun. 05.45–12.30 on 200 kc/s; 16.20–22.00 on 827, 692, 340 kc/s; 16.00–22.00 on 935 kc/s; 07.00–15.00, 16.00–22.00 (Sun. 05.45–22.00) on 809 kc/s; 12.00–21.00 (Sun. 05.45–21.00) in 57 m.b.; 07.00–12.00 (Sun. 05.45–12.00) in 25 m.b.; 07.00–15.00 in 31 m.b.; 15.00–22.00 in the 49 m.b.
3rd Prgr.: 16.20 (Sun. 16.00)–21.00 on 548 kc/s and in 41, 49, 51 m.b.
ANN.: "Govorit Moskva" – "This is Radio Moscow".
INT.-SIG.: For Home- and Foreign Service:

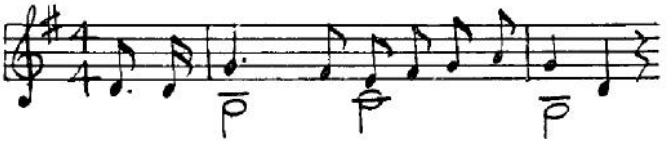
PUBL.: "Radioprogrammy" (weekly).

REGIONAL STATIONS:
R. TASHKENT
ADDR.: Radio Tashkent, Tashkent, Uzbek Soviet Socialist Republic, USSR.
L.P.: Chief of R. Information Centre of the Ministry of Culture of the Uzbek Republic: U.Y. Ibraghimov.
D. Prgrs.: 00.35–17.30, Sat. 18.05 on 164, 400, 6825 kc/s in Uzbek, Tajik & Russian. – **N. in Uzbek:** 00.35, 01.45, 11.40 (exc. Sat., Sun.), 13.00. – **N. in Russian:** 13.15. – **N. in Tajik:** 13.50. – **Press Review:** 04.30, 12.15. – **Prgr. Preview:** 01.54, 16.20 (Sat. 15.50). – **Relay R.**

Deutsche Welle Germany Dr. Hans Otto Wesemann Marianne Linard USSR

Moscow, Kreml

MOSCOW CALLING



What USSR broadcasts about

The Soviet Union covers a sixth of the globe. In order to travel through the country from west to east—from the Polish frontier to the Pacific coast—a passenger in an express train requires fourteen days. When the rising sun gilds the summit of Kljutjevskij in Kamtjatka, the inhabitants in the western areas are just going to bed. From the cold pole in Jakutsk, where the thermometer often registers 70 degrees below freezing point, to the hot desert of Karakum, where the temperature reaches 60 degrees (C), one meets the most various climatic conditions. The fauna and flora of the country are extraordinarily diverse. Its natural resources are unlimited.

The population of USSR exceeds 200 millions. There are Russians, Ukrainians, White Russians, Lithuanians, Gruzes and Moldavians—people of over sixty nationalities.

Moscow broadcasting station tells about life in this country, and transmits in 35 different languages.

The programmes comprise reports on sporting events, concerts, literary programmes. Listeners are informed about science and techniques, new books, theatre and film shows. Moscow broadcasting station also comments on the most important international events. There are special programmes for women, for children and for young people. In these programmes are given answers to letters from listeners and the records people have asked for; information is given concerning the life of Soviet Russian women, and about students and school children.

Foreign guests are broadcast over the Moscow station—political personalities from abroad, representatives of business circles, scientists, artists, people of different religions, workers, and peasants visiting the Soviet Union as tourists or as members of various delegations.

Moscow always replies to its listeners by radio and letter, sending them various souvenirs and prizes for participating in the competitions of the Moscow station.

LISTEN IN TO MOSCOW!

advertisement Moscow calling Kreml

Radio Canada: Members of the Danish Section, CBC International Section, doing on – the – spot reporting and recording at large oil refining installations in Montreal.

Moscow: 01.00, 02.00, 03.00, 04.00, 04.35 (Mo.), 05.00 (exc. Mo.), 09.00, 14.00 (Sun.), 16.00 (exc. Sat.), 17.00 (exc. Fri., Sat.), 18.00 (Sat.)

Petropavlovsk::	20.30–14.00.	**Murmansk:**	03.00–11.00, 13.00–21.05.
Chita:	22.00–24.00, 04.00–17.00.	**Vilnius:**	04.00–11.00, 13.00–21.05.
Alma Ata:	00.20–08.15, 11.00–19.00.	**Ufa:**	02.35–03.00, 13.00–15.30.
Tbilisi:	02.00–12.00, 13.00–21.05.	**Stalino:**	05.00–11.00, 13.15–21.05.
Irkutsk:	22.30–02.00, 04.00–17.30.	**Chelyabinsk:**	01.00–03.00, 04.00–07.00, 09.00–11.00, 12.00–14.00, 15.00–21.00.
Kiev I:	03.00–10.00, 13.15–22.00.		
Baku:	02.30–11.00. 13.00–21.05.		
Krasnoyarsk:	23.00–08.00, 09.00–18.30.	**Leningrad II:**	04.00–09.20, 10.00–17.00.
Vladivostok:	01.00–07.00.	**Kuibyshev:**	04.20–04.35, 15.00–16.00.
Yakutsk:	22.00–24.00, 02.00–14.00.	**Gorkij:**	03.20–03.45, 13.30–14.30.
Novosibirsk:	23.00–07.00, 09.00–19.00.	**Stavropol:**	07.00–11.00.
Minsk:	03.00–22.00.	**Ivanovo:**	04.00–05.45, 14.45–16.45.
Ulan Ude:	22.30–01.45, 04.00–16.30.	**Yuzhno-Sakhalinsk:**	04.00–15.00, 20.30–21.00, 21.30–23.15.
Stalingrad:	04.00–10.00, 13.00–16.00.		
Riga:	03.00–11.00.	**Kichinev:**	03.00–12.00, 13.00–21.05.
Petrozavodsk:	03.00–10.00, 13.00–22.00.	**Tallin I:**	03.00–12.00.
Ordzhonikidse:	04.00–12.00, 14.00–21.05.	**Kaliningrad:**	05.00–21.05.

FOREIGN SERVICES

There will be changes of both wavelengths and wavebands–sometimes of short notice—and listeners are advised to listen to announcements which will cover all such changes.

EUROPEAN SCE.:

Danish:	**m.b.**	20.00–20.45	227–216–41–31
17.00–17.30	216–41–31–25	**Italian**	
18.30–19.00	31–25	06.00–06.30	19–16
20.30–21.00	41–31–25	17.30–18.00	41–31–25
English:		19.00–20.00	256–41–31–25
07.30–08.00	25–19–16	20.30–21.00	321–310–41–31
17.30–21.30	41–31	21.00–22.00	321–41–31
21.30–22.30	216–41–31	**Norwegian:**	
22.30–23.30	375–290–227–216–41–31	17.15–17.30	375–49–41–25
		18.30–19.00	375–49–41–25
French:		20.00–20.45	375–49–41–25
06.00–06.30	31–25–19	**Portuguese:**	
07.00–07.30	25–19–16	21.00–21.30	31–25
11.30–12.00	25–19–16	22.00–23.00	31–25
18.00–18.30	41–31–25	**Spanish:**	
19.00–20.00	321–31–25	20.00–21.00	49–41–31–25
21.00–21.30	41–31	21.30–22.30	31–25
German (for Germany)		**Swedish:**	
06.00–07.00	227–41–31–25–19	17.00–17.15	375–49–41–25
16.00–17.00	227–41–31–25	19.30–20.00	375–49–41–25
18.00–20.00	227–216–41–31	20.45–21.00	375–49–41–25
20.45–21.30	227–216–41–31	**Concert**	
German (for Austria)		21.30–22.30	522–375–290–227–49–41–31–19
17.00–18.00	22–741–31–25		

TO SO. EA. ASIA

English	**m.b.**	14.00–15.00	25–19–16
08.30–09.00	19–16–13	**NO. AMERICAN SCE.:**	
11.30–12.00	19–16–13	23.00–06.00	31–25

R. TASHKENT (on 6825 kc/s).

English
13.00–13.30, 16.00–16.30 to India/Pakistan.
Persian
15.30–16.00, 17.30–18.00 to Iran.
Uighur
14.00–15.00 to Sinkiang (China).
Urdu
16.30–17.30 to Pakistan.

ANN.: "Radio Tashkent calling. This is Radio Tashkent calling India and Pakistan in the forty-three meter band. Good-evening everybody. It is seven p.m. here in Tashkent. This is our first English broadcast for the evening. We hope you will tune in on our second broadcast too. It goes on the air at twenty-one-thirty hours. Indian Standard Time. In the coming half hour you will hear.....". – V. by letter.

Stations reported on shortwaves:
Alma Ata: 9340, 9380, 9640 kc/s. – **Baku:** 4958, 9840 kc/s. – **Erivan:** 5740, 7150 kc/s. – **Kiev:** 6020, 9593, 11720, 11785 kc/s. – **Khabarovsk:** 4522, 4995, 6115, 7152, 7210, 7225, 9378, 11815 kc/s. – **Leningrad:** 9600, 9750, 11630, 11885 kc/s. – **Magadan:** 9500, 11655 kc/s (18.40–13.00). – **Novosibirsk:** 5116, 15422kc/s. – **Petrozavodsk:** 4995 kc/s. **Stalinabad:** 7225, 7335, 9180 kc/s.

★ VATICAN STATE ★

L.T.: GMT+1 h. – **Languages:** see below.
ADDR.: Vatican Radio, Vatican City. – **Cable:** Vatican Radio. – **L.P.:** Dir. Gen.: Rev. Prof. Antonio Stefanizzi S. J. Dir. of Prgr.: Rev. J. Alvarez S. J. Dir. Tec.: Dott. Ing. Tullio Gorio.
STATIONS:
Medium Waves:
HV2 773 kc/s 388.1 m 2 kW – HV100 1529 kc/s 196.2 m 100 kW
HV5 1484 – 202.2 m 5 –
Short Waves: 5/25/50/100 kW*)

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3955	75.85	7270	41.27	11740	25.55	17735	16.92
5968	50.27	7280	41.21	11940	25.13	17840	16.82
6005	49.96	9550	31.41	15120	19.84	21515	13.94
6030	49.75	9646	31.10	15290	19.62	21740	13.80
6190	48.47	9660	31.60	15385	19.50	25740	11.66
7250	41.38	11685	25.67	17720	16.93	25780	11.64

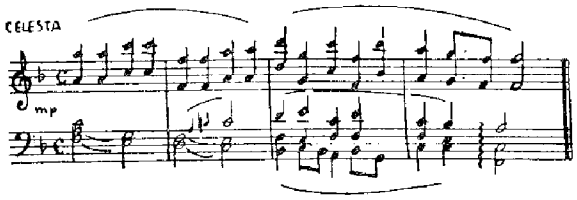
*) The wavelengths are subject to change with seasonal variations, or to avoid interference.
FM: Mc/s 93.30, 96.30; kW 0.5.

	Oct./April kc/s
Abyssinian: 16.45 Tues., Fri. **Albanian:** 17.30 Tues., Thurs., Sat. **Arabic:** 17.15 Sun., Tues., Sat. **Bulgarian:** 17.15 Mo., Thurs. 10.30 Sun.	7280, 9646, 11685, 15120, 1529
Chinese: 10.15 Thurs.	11685, 21515
Croat: 14.00 Sat. 17.00 Sun., Mo., Wed., Fri.	7280, 9646, 11685, 15120, 1529
Czech: 12.30 D.	7280, 9646, 11685, 15120, 1529
19.30 D.	6190, 7280, 9646, 11685, 1529
Dutch: 14.00 Fri., 18.00 Thurs., Sun.	7280, 9646, 11685, 15120, 1529
English: 15.00 D., 18.15 D.	7280, 9646, 11685, 15120, 1529
16.00 Tues.	11685, 21515 (for India), Pakistan, Ceylon)
French: 11.45, 14.30 D.	7280, 9646, 11685, 15120, 1529
18.45 D.	6190, 7280, 9646, 11685, 1529
07.30 Thurs. for W. Africa	11685, 17840
German: 12.45 D., 14.45 D.	7280, 9646, 11685, 15120, 1529
19.45 D.	6190, 7280, 9646, 11685, 1529
Hungarian: 13.00 D.	7280, 9646, 11685, 15120, 1529
21.00 D.	6190, 7280, 9646, 11685, 1529
Italian: 13.30 D.	6190, 9646, 1529, 773
20.00 D.	1529, 773
20.15 D.	6190, 7280, 9646, 11685 1529, 773
16.00 Fri. For the sick	6190, 7280, 9646, 11685, 1529
07.30 Mo., Wed., Sat.	9646, 11685 (For M. East)
Latin: 07.50 Mo., Thurs., Sat.	9646, 11685
16.45 Mo., Wed., Sat.	7280, 9646, 11685, 15120, 1529
21.15 Tues., Wed., Fri.	6190, 7280, 9646, 11685, 1529
Latvian: 17.30 Mo., Fri.	7280, 9646, 11685, 15120, 1529
Lithuanian: 14.00 Sun., Tues., Thurs. 18.00 Mo., Wed., Sat.	7280, 9646, 11685 15120, 1529
07.30 Sun.	9646, 11685, 15120
Polish: 12.15 D., 15.15 D.	7280, 9646, 11685, 15120, 1529
19.15 D.	6190, 7280, 9646, 11685, 1529
Portuguese: 15.30 D.	7280, 9646, 11685, 15120, 1529
20.00 D.	6190, 7280, 9646, 11685, 1529
08.00 Wed. For Mozambique	11685, 21515

Vatican State Radio Canada CBC International

Rumanian: 14.00 Mo., 17.30Sun.,Wed.	7280, 9646, 11685, 15120, 1529
Russian: 17.45 D.	7280, 9646, 11685, 15120, 1529
Slovak: 12.00 D.	7280, 9646, 11685, 15120, 1529
19.00 D.	6190, 7280, 9646, 11685, 1529
Slovene: 14.00 Wed. 17.00 Tues., Thurs., Sat. 10.15 Sun.	7280, 9646, 11685, 15120, 1529
Spanish: 14.15 D.	7280, 9646, 11685, 15120, 1529
20.45 D.	6190, 7280, 9646, 11685, 1529
21.30 Thurs. For S. America	9646, 11685
Swedish/Danish/Norwegian: 15.45 Wed. **Ukranian:** 18.00 Tues., Fri. **White Ruthenian:** 17.15 Wed., Fri.	7280, 9646, 11685 15120, 1529
Musical Concert: 16.30 Thurs.	7280, 9646, 11685, 1529
Sunday Service: 08.30 Mass in Latin Rite. Music during the Mass. Gospel homily for 15 min. after Mass, alternatively in different languages	7280, 9646, 11685
Oriental Liturgy 09.30 (Homily in respective languages)	7280, 9646, 11685, 15120

OPENING SIGN.: The bells of St. Peter's.
ANN.: "Laudetur Jesus Christus. Praised be Jesus Christ. This is Vatican Radio."
INT.-SIG.: CarillonMelody "Christus Vincit" executed on the celesta with orchestral accompaniment.



V. by QSL-card. Listeners comments welcomed.

★ YUGOSLAVIA ★

L.T.: GMT + 1 h. – **L.:** **Serbian:** Belgrade, Nis, Novisad, Pristina, R. Sljeme. – **Croatian:** Zagreb, Split, Rijeka, Osijek, Dubrovnik. – **Serbo-Croat** (Bosnia-Herzegovina): Sarajevo. – **Serbo-Croat** (Montenegro): Titograd. – **Slovene:** Ljubljana, Maribor, Capodistria, Celje. – **Macedonian:** Skoplje, Bitola. – **Revrs.:** 500.000.

ADDR.: R. Beograd: Yugoslav Radiodiffusion, 19 Knez Mihajlova Belgrade. **For Listener's Letters:** Radiodiffusion, Yugoslave, P. O. Box 284, Belgrade. R. Belgrade: 2 Hilenderska. **R. Zagreb:** 4 Jurisiveca 4 Zagreb. – **R. Ljubljana:** 17 Tavcarjeva St. Ljubljana.

L.P.: Yugoslav Radiodiffusion: Pres.: M. Tepavac; Vice-Pres.: Mrs. V. Malinska, F. Perovsek; Secretary General: Dr. Ivko Pustisek; Head Foreign Relations: Mrs. Olivera Vojvodić. – **Radio Beograd:** Dir. Gen.: M. Tepavac; Dir.Prgr.: V. Pesic. **Radio Zagreb:** Dir.Gen.: I. Sibl; Dir. Prgr. J. Ugrcic. – **Radio Ljubljana:** Dir. Gen. F. Perovsek; Dir. Prgr. Dr. E. Tomc. – **R. Skoplje:** Dir.: Mrs. Veselinka Malinska. – **R. Sarajevo:** Dir. Mrs. Danica Kurtovic. – **R. Titograd:** Dir.: Branko Nilevic. – **R. Novi Sad:** Dir.: Nandor Farkas. – **R. Pristina:** Dir. Ismet Mulja.

HOME SERVICES

	kc/s	m	kW		kc/s	m	kW
Sarajevo	611	490.9	100	Pristina	1412	212.4	20
Belgrade I	683	439	150	Split	1412	212.4	50
Skoplje	809	370.9	135	Maribor	1412	212	5
Titograd	881	340.5	20	R. Sljeme/ Zagreb II	1484	202	2
Ljubljana I	917	327.1	135				
Nis	917	327.1	10	Osijek	1484	202.2	2
Zagreb I	1133	264.7	135	Dubrovnik	1484	202.2	0.8
Rijeka I	1133	264.7	15	Rijeka II	1484	202.2	2
Koper	1169	257	6	Ljubljana II	1484	202.2	2
Novi Sad	1268	236.6	100	Bitola	1484	202	2

FM:	mc/s		mc/s
Beograd-City	88.1[1])	Maribor-Pohorje	88.5[3])
Beograd-Fruska Gora	97.3[1])	Kum	90.1[3])
Novi Sad	87.7[2])	Nanos	92.9[3])
Novi Sad	90.5[2])	Ljubljana II	98.9[4])
Zagreb Sljeme	94.9[1])	Capodistria	97.7[1])
Ljubljana I	94.1[3])		

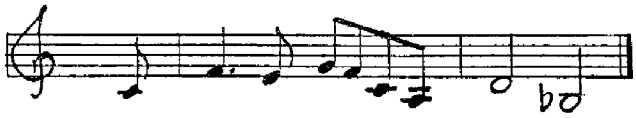
[1]) rel. m. w. prgr. [2]) D. 18.00–23.00 m.w. and local prgr.
[3]) rel. Ljubljana I [4]) rel. 2. prgr.

DAILY PRGR.: R. Belgrade: W. 04.00–23.05 (Sat. 00.05). Sun. 04.30–23.05. – **N.:** 04.50–, 09.00, 12.00, 14.00, 16.00, 21.00, 23.00.
R. Zagreb: W.: 04.00–07.30, 12.00–23.05 (Sat. 00.05). Sun. 05.00–23.05. – **N.:** 04.15, 05.15, 06.55, 12.00, 14.00, 16.00, 21.00, 21.55.
R. Ljubljana: Mo., Tues., Thurs., Sat.: 04.00–22.45. Sun. 05.00–22.45. Wed. Fri.: 04.00–07.00, 10.00–22.45. – **N.:** 04.05, 05.00, 12.00, 14.00, 16.00–21.00.
R. Sarajevo: W.: 05.00–07.20, 12.00–22.00. Sun. 05.00–22.00.
R. Skoplje: W.: 04.25–07.30, 10.55–22.10. Sun. 04.25–22.10.
R. Titograd: W.: 04.30–06.00, 13.00–21.00. Sun. 05.00–21.00.
R. Novi Sad: W.: 04.00–23.05 (Sat. 00.05). Sun. 04.30–23.05. – **L.:** Serbocroat, Hungarian.
R. Pristina: W.: 04.30–07.00, 11.00–21.30. Sun. 05.00–21.30. – **L.:** Serbocroat, Albanian.
R. Capodistria: Rel. R. Ljubljana I and local prgr. in Italian.
R. Split: D. 07.55–12.00. – **R. Rijeka:** Rel. Zagreb I.
R. Nis: W.: 13.45–21.20. Sun. 07.00–11.30, 13.45–21.20. Rel. R. Beograd and local prgr.
R. Maribor, R. Celje: Rel. R. Ljubljana I, and local prgr.
R. Osijek: W.: 11.55–20.00, Sun. 06.00–20.00.
R. Sljeme: W.: 07.00–12.10, 17.00–21.00 (Sat. 23.00); Sun.: 08.00–13.05, 17.00–21.00.
R. Dubrownik: W.: 12.00–14.00, 18.00–22.00, Sun.: 06.00–07.30, 12.00–14.00, 18.00–22.00.
R. Bitola: Rel. Skoplje and local prgr.
R. Rijeka II: Rel. R. Zagreb I and local prgr.
R. Ljubljana II: Wed., Fri.: 07.00–10.00, 13.00–15.00, 21.15–22.00, Sun. 09.30–10.30, 12.00–15.00, 21.15–22.00. Other days: 13.00–15.00, 21.15–22.00.
R. Beograd, Zagreb and Novi Sad have a joint prgr. from 19.00–23.05 (Sat. 00.05) Novi Sad from 19.00–21.00 only.

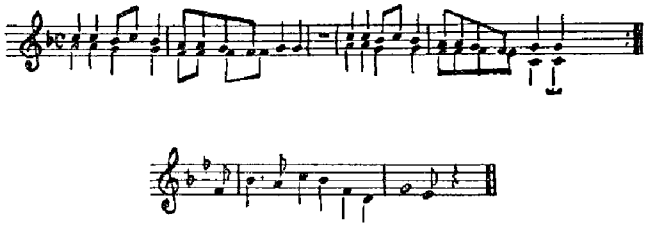
See corrections last page.

ANN.: R. Beograd: "Ovdje Radio Beograd". – **R. Zagreb:** "Ovdje Radio Zagreb." – V. by letter.

INT.-SIG.: R. Belgrade: The beginning of the "Internationale":



R. Zagreb: Home Service:

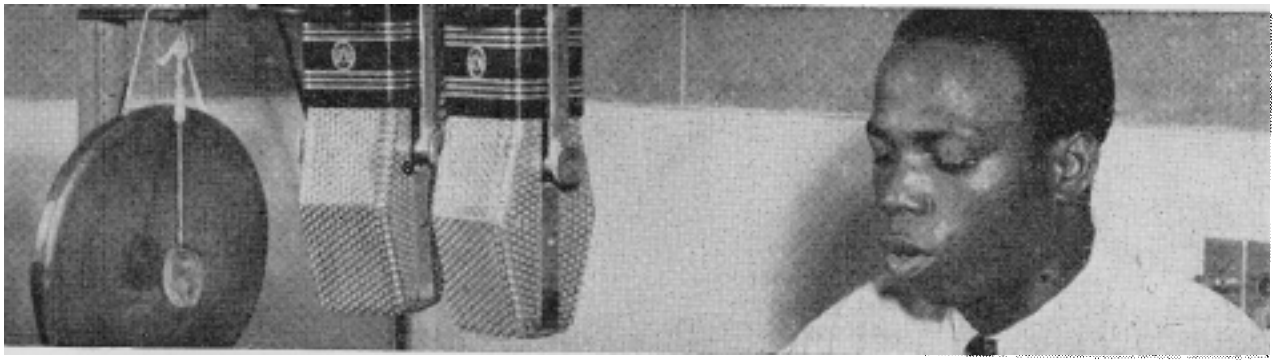


FOREIGN SERVICE:

R. Belgrade: 6100 kc/s 49.18 m 100 kW – 6150 kc/s 48.78 m 100 kW
7200 – 41.67 10 – – 9505 – 31.56 – 10 –

Albanian:	16.30–17.00 1412, 881, 7200 kc/s. 18.30–18.45 881, 1412 kc/s.
Arabic:	16.30–17.00 6100, 9505 kc/s.
Bulgarian: D.	18.00–18.30 on 6150, 7200 kc/s. 21.45–22.00 on 809 kc/s.
Czech:	18.30–19.00 on 1268, 9505 kc/s. 22.30–22.45 on 917 kc/s.
English: D.	12.30–13.00 on 6100, 9505 kc/s. 18.30–19.00 on 6150, 7200 kc/s.
French: D.	19.30–19.45 on 6150, 7200 kc/s. 22.00–22.15 on 917, 9505 kc/s.
German: D.	17.30–18.00 on 6150, 7200 kc/s. 20.45–21.00 on 6100, 7200 kc/s.
Russian: D.	17.00–17.30 } on 6150, 7200 kc/s. 19.00–19.30 }
Polish: D.	19.45–20.15 on 6150 ,7200 kc/s. 22.00–22.15 on 1268, 7200, 6100 kc/s.
Spanish: D.	21.30–22.00 } on 6100, 1268 kc/s. 22.30–22.45 }
Rel. R. Beograd	14.00–16.30 on 6100, 9505 kc/s.
m.w. prgr.	21.00–21.20 on 6100, 7200 kc/s.

ANN.: "This is Yugoslavia, Radio Beograd calling". – **V.** by QSL-card. – **F.PL.:** R. Split to be synchronized with R. Zagreb. Net of FM stations. **PUB.:** »Jugoslovenski Radio« (weekly).



1

2

3

4

5

1. **R. CONGO BELGE:** Gaston Midu announcer in the daily broadcasts in Kikongo.

2. **NORTH RHODESIA:** An unscripted play in the Malikopo series being recorded (Central African Broadcasting Station, Lusaka).

3. **TOGO:** A folklore program from Radio-Lomé.

4. **LIBERIA:** African singers (R. Station Elwa).

5. **NORTH RHODESIA:** The double-sided bass drums (Ng 'oma) are warmed before they are used, to improve the tone. The photo shows the preparations being made for a dance to an accompaniment of drums. (North Rhodesian Inform. Dept.).

AFRICA

Africa Radio Congo Belge Gaston Midu Northern Rhodesia
Lusaka Togo Radio Lome Liberia Radio Station ELWA

AFRICA

★ ALGERIA (French) ★

L.T.: GMT + 1 h – L.: French, Arabe, Kabyl. – Rcvr.: 95.264.

RADIO ALGERIA (Govt.).

ADDR.: 10 Rue Hoche, Alger. – L.P.: Dir. Reg. M. Merlet. Dir. Tec.: M. Godin. Dir. Prgr.: P. M. Héral. Dir. Adm.: M. Chemineau. Dir. Inform.: M. Godiveau (F. prgr.), M. Rezzouk (Arabic orgr.).

FRENCH NETWORK: W.: 05.30–08.00, 10.00–21.45. Sun.: 06.00–21.45. – Exceptions: Alger OCI: Mo., Sun.: 11.00–16.00. Tues., Wed., Fri.: 11.00–13.00. Thurs.: 11.00–14.30. Sat.: 11.00–14.00.

	k/cs	m	kW		kc/s	m	kW
Alger 2	980	306.1	200	Bone	1484	202.2	0.2
Constantine I	1142	262.7	20	Alger OCI	~~6160~~	~~48.70~~	50
Oran I	1142	262.7	40				

N.: 06.30, 12.00, 19.00, 21.30. – Wrp.: 12.00, 19.00.

ARABIC NETWORK: W. 05.30–07.10, 11.00–21.00. Sun.: 05.45–21.00. Exceptions: Alger OCI: D. 19.00–21.00. Sun. also 07.00–08.00. Oran: Mo. 17.10–18.10. Constantine: Tues. 17.00–17.50, 18.30–19.30. Thurs. 12.20–13.00. Sat. 16.00–16.30.

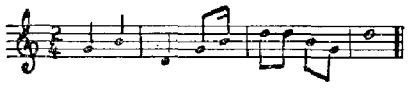
	kc/s	m	kW		kc/s	m	kW
Alger 1	890	337.1	200	Oran II	1304	230	40
Constantine II	1304	230	20	Alger OC2	~~6160~~	~~48.7~~	50

KABYL NETWORK: W.: 05.30–06.30, 11.00–13.00, 16.00–19.30. Sun.-05.45–08.00, 11.00–14.00, 16.00–19.30. – Exceptions: Alger OCI: 10.00–19.00. – Sun. also: 07.00–08.00. – Bougie: Mo. 11.15–12.00. Wed. 17.15–18.10. Fri. 18.10–19.00.

	kc/s	m	kW		kc/s	m	kW
Alger III	1491	201.1	40	Bougie	1594	188	0.6
Michelet	1570	191.0	5	Alger OC3	6160	48.7	50

ANN.: F.: "Ici Radio Alger. Radiodiffusion française".

INT.-SIG.: La Casquette du Pére Bugeaud



V. by QSL-card. – PUB.: Weekly prgr. by request to: La Direction regionale de la RTF, Alger.

★ ANGOLA (Portuguese West Africa) ★

L.T.: GMT + 1 h. – L.: Portuguese. – Rcvrs.: 52.960.

RADIO ANGOLA-EMISSORA OFICIAL (Go.)

ADDR.: Caixa Postal 1400, Luanda, Angula.

L.P.: Dir. Gen.: Eng. Antonio Jacinto Magro. Dir. Adm.: Abilio Antunes dos Santos. Dir. Tec.: Eng. Luiz Maria Vicente.

HOME SCE: CR6RZ.

1350 kc/s 222.2 m 1/3 kW 9765 kc/s 30.72 m 1 kW.
4955 – 60.54 – 3 – 11862 – 25.29 – 10 –

1350 kc/s D.: 11.00–13.30, 18.00–22.30. Sun. also 08.00–09.30, On sw.: W.: 11.30–13.30, 18.00 (11862, 9765 18.30)–22.30.

N. Commentaries, Wrp.: 12.00, 19.00, Actualities from Angola (Sun.: Mailbag): 13.30–15.30. – Sporting events: Mo. 12.30. – Radio Theatre: Tues.: 08.00. – ANN.: "Aqui Angola-Emissora Oficial" – INT.-SIG. –

V. by QSL-card.

RADIO CLUBE DE ANGOLA (Comm.).

ADDR.: Caixa postal 229, Luanda. – Cable: Radangola Luanda. – L.P.: Pres.: Com. Manuel de Albuquerque e Castro. Secr.: Dir. Production: Eng. A. Martins da Costa. Production Mgr.: A. dos Santos e Sousa. Dir. Tec.: Eng. A. Palmeiro. Dir. Adm.: A da Silva Gaspar.

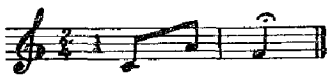
HOME SCE in Portuguese: W.: 06.00–07.00 11.00–13.30 17.00–22.00. Sun.: 08.00–13.30, 16.00–21.00.

CR6-RL 9632 kc/s 31.15 m 1 kW
CR6-RA 7142 – 42.01 – 0.25 –
CR6-RN 4869 – 61.16 – 1 –

Nat. Music: 06.30(W), 08.00 (Sun.), 11.00, 12.45(W), 17.15(W), 18.00 (Sun.), 19.40(W), 19.45 (Sun)., 21.30(W). – N.: W. 06.20, 12.00, 18.30, 19.30, 21.30. Sun. 11.30, 19.00, 20.30. – Wrp.: W. 12.10, 18.35. – Request Prgr.: W. 13.00. Sun. 09.30, 10.30, 13.00, 16.00.

ANN.: "Luanda, capital de Angola, provincia de Portugal em Africa. falla Rádio Clube de Angola, a vossa estacão". – V. by QSL-card

INT.SIG.-:



and by radio (Thurs. 19.55). – PUB.: Schedule on request.

RADIO CLUBE DE BENGUELA (Comm.).

ADDR.: Caixa Postal No. 19, Benguela. – Cable: Radioclub.

L.P.: Pres.: Dr. J. C. Santos. Dir. Prgr.: S. Coelho. Dir. Tec.: J. B. Afonso. Dir. Ser. Adm.: A. A. F. Monteiro.

HOME SERVICE in Portuguese from "A Voz de Benguela" (CR6RF). 5042 kc/s 59.48 m 1 kW: W.: 03.45–06.45, 11.00–12.45, 17.30–
9502 – 31.57 – 1 – 21.00, Sun.: 11.00–14.00, 17.30–21.00.

Portuguese Music: W. 12.00–12.20, 18.30–19.00. Sun. 11.00–12.00, 19.00–19.30. – Mbg.: Sat. 06.45–07.45 (Portuguese, French). – N.: D. 11.40, 18.15, 20.50 (local). – Wrp.: D. 11.55.

FOREIGN SCE: in Portuguese: 5042, 9502 kc/s: D. 12.00–12.15, Sat. also 14.00–17.00 to Congo Belge and French Equ. Africa.

ANN.: Home Sce: "This is the Voice of Benguela". – a Portuguese station "Radio Club de Benguela – una das emissoras angolanas". Foreign Sce: "This is the Voice of Benguela" – Radio Club de Benguela fala para a Congo Belga e Africa Equatorial Francesa. – INT.-SIG.: H. Sce: Solo on Kissange, a native instrument. – Foreign Sce: Guitar. – V. by QSL-card.

RADIO CLUBE DO BIE (Comm.).

ADDR.: Caixa Postal 33, Silva Porto.

HOME SERVICE: CR6RO: 7285 kc/s 41.18 m 1 kW: 06.15–06.45, 11.30–12.30, 16.30–20.30.

ANN.: "Clube do Bié" – INT.-SIG.: Guitar. – V. by QSL-card.

RADIO DIAMANG (Private non-commercial).

Owned by Companhia de Diamantes de Angola, Dundo.

ADDR.: Radio Diamang, Dundo. – L.P.: Pres.: Eng. G. P. Andringa.

HOME SERVICE: W. 18.00–19.30; Sun. 11.00–12.30.

	kc/s	–	kW		kc/s	–	kW
CR6RG	4770	62.89	1	CR6RR	7070	42.42	1
CR6RI	9340	32.10	1	CR6RR	6870	43.53	1

ANN.: "Radio Diamang, Dundo, Angola, Africa Ocidental Portuguesa. Estão a ouvir a estação emissora da Casa do Pessoal da Companhia de Diamantes de Angola."

INT.-SIG.: At opening "Fragmento da Rapsódia Portuguesa" folklore musical piece played by a Portuguese typical Orchestra. At close down Portuguese National Anthem. – V. by QSL-card.

RADIO CLUBE DO HUAMBO (Comm.)

ADDR.: Caixa Postal 125, Nova Lisboa. Cable: Radihuambo.

L.P.: Pres.: Dr. C. Noronha. Vice-Pres.: J. B. V. Leal. Secr. Gen.: J. L. Neves. Dir. Tec.: J. R. Junior. Dir. Adm.: M. B. de Abreu.

STATIONS: CR6RQ 4851 kc/s 61.84 m 1 kW – CR6RD 7152 kc/s 41.94 m 0.75 kW.

HOME SCE: W. 06.00–07.00, 11.00–13.00, 17.00–21.30. Sun.: 06.00–10.00, 11.00–13.30, 14.30–19.00. – N.: 11.30, 18.45. – Mbg.: Wed. 18.00.

ANN.: "Aqui Nova Lisboa. R. Clube do Huambo, uma voz Portuguesa em Africa." – V. by QSL-card. R. p. – PUB.: Schedule on request.

RADIO CLUBE DE HUILA (Comm.).

ADDR.: Caixa Postal 111, Sá da Bandeira.

HOME SERVICE CR6RH: 5024 kc/s 59.71 m 0.4 kW. W.: 06.15–07.15, 11.15–12.45, 18.00–21.00. – 9755 kc/s 30.76 m 1 kW: Sun. 11.15–13.30.

ANN.: "Radio Clube de Huila". – INT.-SIG.: First movements from "Minho". – V. by QSL-card.

RADIODIFUSORA LOBITO (Comm.).

ADDR.: Estaçao Radio Difusora CR6AA, Av. do. Imperio, P.O. Box 103, Lobito. – Cable: Radiodifusora. – L.P.: Dir. Owner: Alvaro de Carvalho. Asst.: Maria L. de Morais. Asst. Tec.: João D. Correia.

HOME SERVICE: CR6AA 1 kW.

5033 kc/s 59.59 m: 16.00–22.00 in Portuguése and English.
7115 kc/s 42.16 m: 06.45–07.45, 11.30–12.45 in Portuguése.

ANN.: P.: "Lobito, Angola, Africa Ocidental Portuguesa". – E.: "This is Lobito, Angola, Portuguese W. Africa, Short Wave St. CR6AA." – INT.-SIG.: Gong notes. – V. by QSL-card.

RADIO CLUBE DE MOCAMEDES (Comm.)

ADDR.: Caixa No. 174, Mocamedes. HOME SCE.: 11.00–13.00, 17.30–20.00. – CR6RM 7300 kc/s 41.10 m 0.35 kW. – V. by letter.

L.P.: Pres.: L. Marrecas. Dir. Tec.: J. dos Santos Correia.

RADIO CLUBE DE MALANGE (Comm.)

ADDR.: Caixa Postal n. 83, Malange.

L.P.: Pres.: J. N. Lomba, Chief Production: J. C. de Azeredo.

HOME SCE.: CR6RE 7244 kc 41.42 m 0.2 kW:

W.: 06.00–07.00, 11.00–13.00, 17.30–21.00.

ANN.: "Radio Clube de Malange". – INT.-SIG.: The march "piranga". – V. by QSL-card.

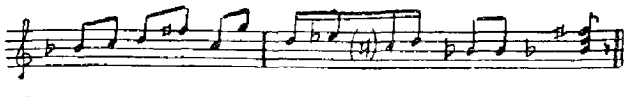
RADIO CLUBE DO SUL ANGOLA (Comm.)
ADDR.: Caixa Postal 56, Lobito.
HOME SCE.: CR6RK 3603 kc 80.47 m 0.75 kW: 11.00–13.00, 17.30–22.00.
INT.-SIG.: 4 notes on guitar from "Maria da Fonte".
RADIO CLUBE DO CUANZA SUL (Comm.)
ADDR.: Caixa Postal No. 10, Novo Redondo. – L.P.: Pres. Mgr.: A.C.Castanheira. Vice-Pres.: A.R.Rodrigues. Adm.: F.L.Pereira.
HOME SCE.: CR6RP 7802 kc 38.45 m 0.2 kW: 11.15–11.45, 17.30–19.30.
ANN.: "R. Clube Cuanza Sul". – INT.-SIG.: Guitar.
V. by QSL-card.
RADIO ECLESIA (Catholic) Luanda CR6RB 7079 kc 42.40 m 1 kW: 05.45–0.830, 10.00–13.00, 17.30–21.00.
Dir.: Padre J. M. Pereira. Dir. Tec.: D. da Gama.
R. ANDRADE: CR6RI 4977 kc/s 60.28 m 0.06 kW: 17.00–18.30.
R. CASSANGUIDI: CR6RR 4924 kc/s 60.92 m 0.06 kW: 17.00–18.30.
R. MALUDI: CR6RS 4941 kc/s 60.72 m 0.06 kW: 17.00–18.30.

★ BECHUANALAND (British Protectorate) ★

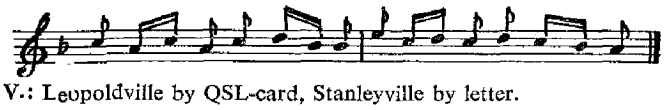
L.T.: GMT + 2 h. – L.: English. – Rcvrs: 2000
ADDR.: ZNB Broadc. St., c/o Dir. Public Works, Box 106, Mafeking.
ZNB 8230 kc/s 36.45 m 0.25 kW – 5900 kc/s 50.84 m 0.25 kW
D.PRGR.: 11.00–12.00, 17.00–19.00. – V. by QSL-card. R.p.

★ BELGIAN CONGO ★

L.T.: Leopoldville GMT + 1 h., Elisabethville GMT + 2 h. – L.: French, Flemish. – Rcvrs.: 50.000
RADIO CONGO BELGE (Go.)
ADDR.: P.O. Box 3171, Leopoldville, Kalina – P.O. Box 550, Stanleyville. – L.P.: Leopoldville: Dir. of Broadc.: Leopoldville. L. Lhermitte. Stanleyville: Dir. Ph. Veys.
Leopoldville:
For Europeans and educated Africans:
4760 kc/s 63.03 m 20 kW – OTM2 9380 kc/s 31.98 m 50 kW
OTM1 6295 – 47.66 – 0.25 – – OTH3 11720 – 25.60 – 50 –
05.00–06.30 (Sun. 07.30) 4760, 9380 kc. 10.15–12.30 4760, 11720 kc. 15.30 (Sun. 15.00)–21.00 (Sat., Sun. 22.00) 4760, 6295, 9380 kc.
N.: 06.00 (F), 06.08 (Fl), 10.30 (F), 10.40 (Fl), 11.30 (F), 11.40 (Fl), 18.00 (Fl), 18.45 (F), 20.50 (F), 20.54 (Fl).
ANN.: F.: "Ici R. Congo Belge". – Fl.: "Hier R. Belgisch Kongo".
For Africans in Belgian Congo, Ruanda Urundi:
In Lingala, Swahili, Tshiluba, Kikongo, French:
OTM 11795 kc/s 25.43 m 50 kW: 10.30 (Sun. 10.00)–12.00.
OTH 9210 – 32.57 – 50 – : 16.30–20.00.
N. in Vernaculars: Mo.–Thurs. 17.00. – Native Music: Mo.–Thurs. 16.30. Mo.–Thurs. 16.50 – Mbg.: Mo.–Thurs. 17,15, Sat. 17.00. – Forces Prgr.: Fri. 16.30–18.00. – N. in French: W. 18.00. – Prgr. in French: D. 19.00–20.00.
Stanleyville for Africans in Belgian Congo, Ruanda Urundi:
In French, Swahili, Lingala, Miyta:
OOB 6085 kc/s 49.30 m 3 kW: 15.30–19.00.
L.N.: Swahili: Mo., Thurs. 16.00 Lingala: Wed., Sat. 16.00. French: Mo., Wed., Thurs., Sat. 18.00, Tues. 16.00. – Mbg.: Swahili: Thurs. 17.00. French: Sat. 17.30. – Forces Prgr.: Fri.
Elisabethville OPS 6030 kc/s 49.75 m 3 kW: 15.30–19.00.
ANN.: Leopoldville: "Ici Radio Congo Belge – Emissions Africaines". Stanleyville: "Ici les Emissions Africaines de Radio Congo Belge à Stanleyville, que vous entendez sur la longeur d'onde de 49 m 30"
INT.-SIG.: Leopoldville: Native xylophone beat (Tam-Tam):



Stanleyville: First movement of a native folk-song:

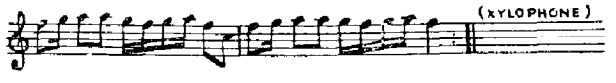


V.: Leopoldville by QSL-card, Stanleyville by letter.

RADIO COLLEGE (Pr.)
ADDR.: Radio Collége, B.P. 296. Collége St. François de Sale, Elisabethville. – L.P.: R.R. P.P. Salesiens, Ecole Officielle pour Garçons Européens.
H. SCE. in French (Fri.: Flemish): W. 16.30–17.00. Sun. 07.00–10.00. OQ2AC 0.25 kW: 3390 kc 88.5 m – 4980 kc 60.25 m – 7200 kc 41.67 m.
ANN.: F.: "Ici Radio-Collége, station de radiodiffusion privée située au College Saint François de Sales, à Elisabethville, Congo-Belge". – Fl.: "Hier Radio-Collége, eigen zender van het Sint Franciscus College te Elisabethstad, Belgisch Kongo".
INT.-SIG.: Open: "Marche du Baron Tzigane (Joh. Strauss). Close: "Marche Indigo". – V. by QSL-card. R.p.
RADIO LEO (Pr.-Religious. Operated by the Jesuits of Leopoldville)
ADDR.: College Albert I, Leopoldville, Kalina. – L.P.: Dir. Gen.: R.P.Rinen. Dir. Tec.: M.Vandamme.
HOME SCE. in French: Sun. 08.00–10.00 11720 kc 25.60 m 7 kW.
ANN.: "Ici Radio-Leo, Leopoldville, Congo-Belge. Station privée de radiodiffusion du College Albert I". – INT.-SIG.: Gong and extract from "Saisons – l'automne" (Glazunov). – V. by letter.
PUB.: R. Leo, monthly.
RADIO ELISABETH (financed by the subscriptions of listeners)
ADDR.: A.F.M.Schovens, Box 1039, Elisabethville.
STATIONS: Elisabethville OQ2AB 0.25 kW:
7150 kc 41.96 m – 11900 kc 25.21 m: Sun. 13.30–16.00.
V. by QSL-card.
RADIO UFAC
ADDR.: Boite Postale 97, Elisabethville. – Cable: Radio Ufac.
L.P.: Pres.: R. Lemaire. Dir.: I. Freart. Dir. Tec.: A. Cinna. Dir. Prgr.: J. Dubois.
HOME SCE. in French & Flemish: OQ2AD – 3 kW:
R. Ufac 40/45 4980 kc/s 60.25 m 17.30 (Sun. 17.00)–19.30
R. VOV 40/45 7156 kc/s 41.93 m Sun.: 08.00–09.00, 10.00–13.00
French: D. exc. Wed., Sun. 17.00–19.30. – N. 17.45. – Nat. Music: Sun. 08.00, 10.00, W. 17.30. – Mbg.: Sun. 11.00.
Flemish: Wed. & Sun. 17.00–19.30. – N. 17.00.
ANN.: "Ici Radiodiffusion UFAC 40/45" – "Hier R. VOV 40/45"
INT.-SIG.: Belgian Congo march. – V. by letter.
LES AMIS DE L'ATHENEE:
Luluabourg: OQ2AE 5990 kc 50.08 m: Sept. to June on Sun. 07.00–09.00, Wed. 16.00–17.00. – Coquilhatville: OQ2AG 7255 kc 41.36 m: Sun. 09.15–10.15. – Bukavu: OQ2AH 7212 kc 41.60 m: Sun. 08.30–10.00.

★ CAMEROON (French) ★

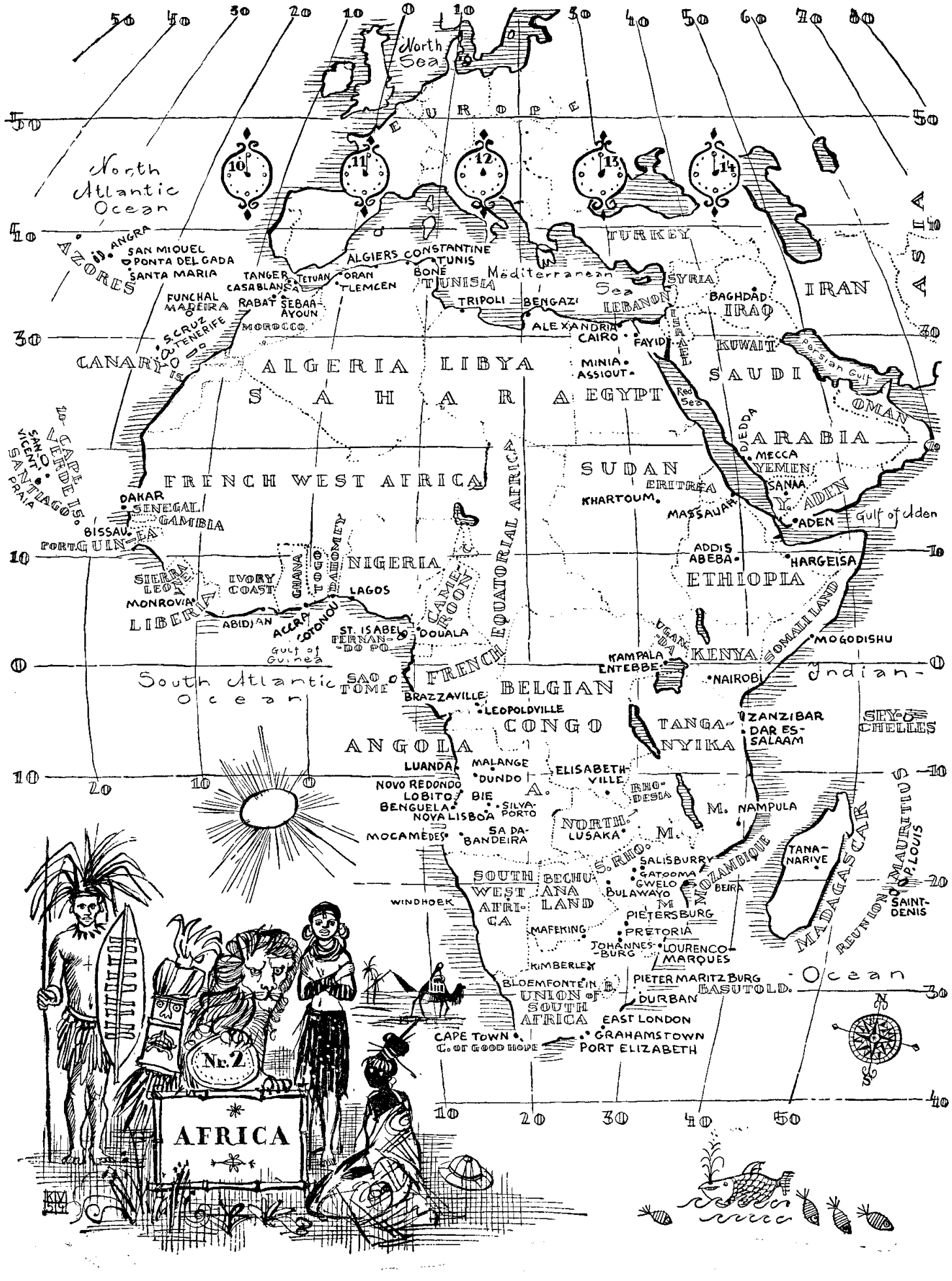
L.T.: GMT+ 1 h. – L.: French, Vernaculars. – Rcvrs.: 12.000
RADIODIFFUSION DU CAMEROUN (Go.)
ADDR.: B.P. 281. Yaounde. – L.P.: Dir.: Louis C.D.Joos.
RADIO DOUALA:
ADDR.: Boite Postale 986, Douala. – Cable: "Radiodouala". – L.P.: Dir. Adm.: Editor O. Deletre. Dir. Tec., Dir. Prgr.: F. Pere.
HOME SCE.: W.: 06.00–07.00, 11.45–12.30, 17.00–20.30. Sun.: 09.00–12.30, 17.00–20.30.
1448 kc/s 207 m 1 kW – 6115 kc/s 49.06 m 1 kW
Vernaculars: D. 17.00–18.00. Other prgr's in French: N. 18.45.
ANN.: "Ici Douala, Radiodiffusion du Cameroun". – INT.-SIG.: Eight first movements of "Alouette...gentille allouette" on xylophon.



V. by QSL-card. R.p.
RADIO YAOUNDE:
ADDR.: B.P. 281, Yaounde. – L.P.: Mgr.: Bernard Saxel. Dir. Tec.: M. Houdry.
HOME SCE.: W.: 05.45–07.00, 11.45–12.30, 17.00–21.00. Sun. 08.00–21.00.
1538 kc/s 195 m 1 kW – 4975 kc/s 60.30 m 4 kW.
Cameroon Music: 12.00, 20.30. – N.: 18.30–19.00.
ANN.: "Ici Yaounde, Radiodiffusion du Cameroun".
INT.-SIG.: Le Râveil-Matin by Couperin. – V. by QSL-card.
R. Douala and R. Yaounde alternatively rel. each other: 06.00–07.00, 11.15–12.30.
R. GAROUA, Garoua (No. area of Cameroon). Short wave 1 kW.

★ CANARY ISLANDS (Spanish) ★

L.T.: GMT + 1 h. – L.: Spanish. – Rcvrs.: 65.000.
RADIO LAS PALMAS (Comm.)
ADDR.: Calle Trianum 134 Dpdo., Las Palmas de Gran Canaria.
L.P.: Dir.: D. P. Pastor Segura.
HOME SCE.: D. 10.30–23.00.
EAJ50 ~~1313~~ kc/s 228.5 m 0.5 kW.
ANN.: "Transmite la Estacion E.A.J. 50 Radio Las Palmas".
INT.-SIG.: Pasodoble "Islas Canarias". – V. by letter.
RADIO CLUB TENERIFE (Cultural and Comm.)
ADDR.: Apt. de Correos 225, S. Cruz de Tenerife.
L.P.: Pres.: J. G. Sanjuan. Tec. Dir.: Padrón.
HOME SCE.:
EAJ43 1412 kc/s 212.4 m 0.4 kW 12.00–17.00, 18.00–23.00
EAJ8AB 7295 – 41.12 – 0.25 – 17 00–18.00. 21.00–23.00
Folklore music: Mo. 22.00.
ANN.: "R. Club Tenerife, S. Cruz da Tenerife". – V. by QSL-card.
NIT.-SIG.: Opening "Los Volnntarios". – 22.07: "Islas Canarias',.


North Sea
EUROPE
North Atlantic Ocean
AZORES
ANGRA
SAN MIQUEL
PONTA DEL GADA
SANTA MARIA
FUNCHAL
MADEIRA
S. CRUZ
TENERIFE
CANARY IS.
TANGER
CASABLANCA
TETUAN
RABAT
SEBAA-AYOUN
MOROCCO
ALGIERS
CONSTANTINE
TUNIS
ORAN
TLEMCEN
BONE
TUNISIA
TRIPOLI
BENGAZI
Mediterranean Sea
TURKEY
SYRIA
LEBANON
ISRAEL
ALEXANDRIA
CAIRO
FAYID
MINIA
ASSIOUT
BAGHDAD
IRAQ
IRAN
ASIA
KUWAIT
Persian Gulf
SAUDI
OMAN
ALGERIA
LIBYA
SAHARA
EGYPT
Red Sea
DJEDDA
ARABIA
MECCA
YEMEN
SANAA
Y. ADEN
ADEN
Gulf of Aden
CAPE VERDE IS.
SAN VICENT
SANTIAGO
PRAIA
FRENCH WEST AFRICA
DAKAR
SENEGAL
GAMBIA
BISSAU
PORT. GUINEA
SIERRA LEONE
MONROVIA
LIBERIA
IVORY COAST
ABIDJAN
GHANA
ACCRA
TOGO
COTONOU
DAHOMEY
LAGOS
NIGERIA
CAMEROON
ST. ISABEL
FERNANDO PO
DOUALA
Gulf of Guinea
EQUATORIAL AFRICA
SUDAN
ERITREA
KHARTOUM
MASSAUAH
ADDIS ABEBA
HARGEISA
ETHIOPIA
SOMALI LAND
MOGODISHU
UGANDA
KAMPALA
ENTEBBE
KENYA
NAIROBI
Indian-
South Atlantic Ocean
SAO TOME
FRENCH
BELGIAN CONGO
BRAZZAVILLE
LEOPOLDVILLE
ANGOLA
LUANDA
MALANGE
DUNDO
NOVO REDONDO
LOBITO
BIE
BENGUELA
NOVA LISBOA
SILVA-PORTO
MOCAMEDES
SA DA-BANDEIRA
ELISABETH-VILLE
RHO-DESIA
NORTH. LUSAKA
TANGA-NYIKA
ZANZIBAR
DAR ES-SALAAM
SEY-CHELLES
NAMPULA
S. RHO.
SALISBURRY
GATOOMA
GWELO
BULAWAYO
MOZAMBIQUE
BEIRA
TANA-NARIVE
MADAGASCAR
REUNION
MAURITIUS
P. LOUIS
SAINT-DENIS
SOUTH WEST AFRICA
BECHUANA LAND
WINDHOEK
MAFEKING
PIETERSBURG
PRETORIA
JOHANNES-BURG
LOURENCO-MARQUES
KIMBERLEY
BLOEMFONTEIN
PIETER MARITZ BURG
BASUTOLD.
UNION OF SOUTH AFRICA
DURBAN
EAST LONDON
CAPE TOWN
C. OF GOOD HOPE
GRAHAMSTOWN
PORT ELIZABETH
Ocean
Nr. 2
AFRICA

RADIO ATLANTICO (Broadc. System of the Falange)
ADDR.: Buenos Aires 26, Las Palmas. – L.P.: Dir.: Chr. M. Ortega.
HOME SERVICE in Sp. and E.: REM34:
1500 kc/s 200 m 2 kW 11.00–15.00, 19.00–24.00
7000 – 42.86 – 0.3 – 13.00–15.30, 19.00–24.00 exp.
9490 – 31.61 – 3 – 13.00–15.30, 22.00–24.00 exp.
ANN.: E.: "This is R. Atlantico, inviting you to visit the beautiful island of Gran Canaria. Here you find a friendly welcome". – Sp.: "R. Atlantico Emisoras Sindical de Las Palmas de Gran Canaria en las Islas Canarias". – V. by QSL-card.

★ CAPE VERDE ISLANDS ★

L.T.: GMT÷2 h. – L.: Portuguese. – Rcvrs.: 1000.

RADIO CLUBE DE CABO VERDE, Praia, Ilha, de Santiago. (Pr.).
L.P.: Pres.: M. T. Dias. Dir. Tedc.: F. A. da Cunha.
HOME SERVICE: 20.00–22.00. – N.: 20.45, 21.30. – Wrp.: 21.15.
CR4AA 3960 kc/s 75.76 m 0.4 kW.
V. by QSL-card. – F.PL.: New tr. 5 kW. spring 1958.

RADIO CLUBE MINDELO, S. Vicente (Pr.)
ADDR.: Rua Roberto Duarte Silva, S. Vicente.
L.P.: Pres.: Dr. A. F. Pereira. Dir. Tec.: J. de Azevedo.
HOME SCE.: CR4AB 4755 kc/s 63.09 m 0.06 kW: 18.30–20.00.
ANN.: "S. Vicente de Cabo-Verde, fala-vos a Emissora do Rádio Clube Mindelo, na banda habitual dos 62 metros, equivalente à frequência de 4.755 kc/s. Amigos ouvintes, boa noite vos dá o locutor...". – V. by letter or QSL-card.

R. BARLAVENTO, Mindélo. S. Vicente (Pr.)
HOME SCE.: 3960 kc/s 75.76 m 1 kW 22.00–24.00.

★ DAHOMEY (French West Africa) ★

L.T.: GMT+1 h. – L.: French, Vernaculars. –

RADIO COTONOU (Go.)
ADDR.: R. Cotonou, Cotonou. – L.P.: Station Dir.: Rene Weill.
HOME SCE. in French, Fon, Yoruba, Nago, Mina, Denai:
1525 kc/s 197 m 1 kW } W. 05.45–08.00, 11.15–12.55, 18.00–22.45.
4870 – 61.60 – 4 – } Sun.: 08.30–12.55, 18.00–22.45.
D. 19.00. – Wrp.: D. 19.20. – INT.-SIG.: Dahomey Tam Tam. – V. by letter

★ EGYPT ★

L.T.: GMT+2 h. – L.: Arabic. – Rcvrs.: 1.000.000.

EGYPTIAN BROADCASTING SERVICE (Go.)
ADDR.: Office and Studio Centre I, 4 Sheriffein Street, Cairo. – Studio Centre II, 5 Elwi Street, Cairo. – Cable.: Kahiradio.
STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Cairo III	557	538.6	100	Assiut	980	306.1	2
Cairo II	620	483.9	100	Minia	1079	278.9	2
Cairo I	773	388.1	100	Sohag	1142	262.7	2
Luxor	926	324.0	2	Assouan	1178	254.7	2
				Alexandria	1205	249.0	2

Short Waves: Cairo 50/70/90/100 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m	kc/s	m
7050	42.55	9795	30.62	11670	25.71	15465	19.39	17915	16.75

HOME SERVICES

MAIN ARABIC PRGR.:
03.00–06.00 on 620/926/980/1079/1142/1178/9795 kc/s.
06.00–10.00 on 773/926/980/1079/1142/1178 kc/s.
10.00–11.00 on 773 kc/s.
11.00–12.00 on 773 kc/s, from 11.30 7050/11670 kc/s.
12.00–13.00 on 773/926/980/1079/1142/1178/7330 kc/s.
13.00–13.45 on 773 kc/s.
13.45–22.10 on 773/926/980/1079/1142/9795/15465 kc/s.
SECOND ARABIC PRGR.: Voice of Arabs & Sudan:
03.30–05.30 7050/11670 kc/s
10.30–11.30 7050/11670 kc/s
14.30–16.20 620 kc/s
16.30–18.00 620 kc/s
18.00–19.00 7050/11670/17915 kc/s
19.00–20.30 7050/11670 kc/s.
20.30–22.15 7050/11670/17915 kcs/

FOREIGN SERVICE:

	kc/s	Areas		kc/s	Areas
11.00–14.30	17915	Ea. As. Iran	23.30–01.00	9795	No. Am.
14.45–16.45	17915	Ea. Af.	23.30–01.00	15465	So. Am.
19.08–20.20	17915	Eu.*	*) French & English; English 20.00.		

INT.-SIG.: Camel Bells. – V.: Reports wanted. They are answered by QSL-card. Reports should be adressed to Monitoring Dept.: Engineering Section, Egyptian Broadcasting, Cairo. – PUB.: "Broadcasting" (in Arabic).

★ ETHIOPIA ★

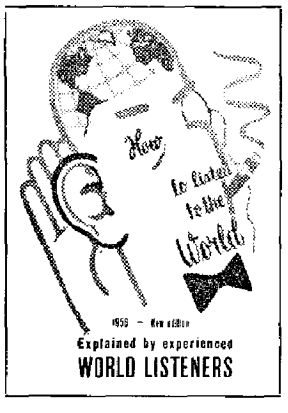
L.T.: GMT+3 h. – L.: Amharic, English. – Rcvrs.: 18.000.

RADIO ADDIS ABABA (Go.)
ADDR.: P. O. Box 1364, Addis Ababa. – L.P.: Act. Vice-Minister Ato Mammo Tadessa. Dir.: Ato Kebede Asfaw, Ato Tadessa Abede. Dir. Prgr.: Ato Makonnen Ayale. Publicity Mgr.: L. H. Cramer.
STATIONS: Addis Ababa.
6184 kc/s 48.50 m 0.5 kW 9620 kc/s 31.19 m 2.5 kW
7264 kc/s 41.29 m 2.5 kW 15345 kc/s 19.55 m 7.5 kW
Amharic: 05.00–05.30 (N., music), 11.00–12.00 (N. 11.30), 16.30–18.00 (N. 17.00). – English: 10.00–11.00 (N. 10.30), 18.15–19.00 (N. 18.15). – Arabic: 18.00–18.15 N.).

N.B. All transmissions on the four frequencies with the exception of the English transmissions. The morning transmission in English – on the 31 m.b. and the evening transmission on the 19 and 31 meter-bands.

ERITREA

ARMED FORCES RADIO SCE. (U.S. Military)
Asmara ATRS: 1500 kc/s 0.05 kW: 03.30–24.00.



To get the most out of World Listening

read

HOW TO LISTEN TO THE WORLD

World listening made easy by help of How to listen to the world. This companion to the WRH sets out to help all interested in world-listening to get the best from their receivers, by giving hints and tips on short-wave reception. – It explains in simple language, illustrated by useful drawings and tables, how to set about finding, identifying and logging foreign stations and getting good results throughout the year.

Used in conjunction with the WHR, it will enable you to enjoy better, trouble-free radio, and at the same time increase your knowledge of the world at large.

Price: Dan. Kr. 4,50 - £ 0/4/6 - $ 0,65 - DM 3,00 - plus postage

Order your copies now.

World Radio Handbook, Lindorffsalle 1, Hellerup, Denmark.

★ FRENCH EQUATORIAL AFRICA ★

L.T.: GMT + 1 h. – L.: French, English, Spanish, Portuguese. – Rcvr.: 2000.

RADIODIFFUSION-TELEVISION FRANCAISE (Go.).
ADDR.: B. P. 108, Brazzaville, A.E.F. Cable: "Radiodiffusion".
L.P.: Dir. Reg. p.i. and Man. Dir.: A. Taillade. Chief-Eng.: H. Defroyenne. Dir. Inform.: P. Ponti. Dir. of Prgr.: Julien Prevost. Dir. Foreign Prgr.'s: E. Collins.

NATIONAL SCE. – Radio A.E.F.:
In French, Munukutuba, Lingala, Sangho:

1484kc/s	202.2m	0.6kW	11.00–12.30, 17.00–20.30, (Sun. also 09.15–10.30)		All prgr.'s in French exc. where indicated.
4795 –	62.57 –	1.5 –	17.00–20.30 d. We.		
5970 –	50.25 –	3 –	17.00–20.30 d. We.		
9625 –	31.16 –	50 –	17.00–17.55 d. Eu.		
9964 –	30.10 –	1.5 –	17.00–20.30 d. No.		
15595 –	19.23 –	1.5 –	17.50–20.30 d. No.		

N.: 11.30, 18.30. – "Actualités Magazine":W. 19.00. – Mbg.: Request prgr.: 11.00–11.30, 17.00–17.15, 17.20 (or 17.25)–17.45, "Je sais tout" (letterbox): D. exc. Wed. & Sun. 17.15 (Tues.: Sangho, Fri.: Munukutuba, Sat.: Lingala). – Wrp.: D. 19.00.

INTERNATIONAL SCE. – Radio Brazzaville.
STATIONS: 1.5/3/7/50 kw.

5970 kc/s 50.25 m	9730 kc/s 30.83 m	15420 kc/s 19.45 m
9625 – 31.16 –	11970 – 25.06 –	15440 – 19.43 –
		17885 – 16.77 –

Beamed Areas: I = B. Congo, S. Af., Madagascar, Oceania, Tahiti, Wallis & Futuna; II = Cameroon, AOF (Fr. W. Af.), U.S.A. & Canada (Pa. Coast); III = C. Af.; IV = Oceania, NZ., N. Caledonia, N. Hebrides, Reunion; V = M. E, Arabia, Iraq, Syria; VI = Au (Sydney), Tasmania; VII = Au. (Perth); VIII = F. E., Indochina, India, Pakistan, Malaya; IX = N. Af., Sahara, Tchad; X = B. Congo, Gabon, Cameroon, Oubanqui; XI = Brazzaville, Leopoldville; XII = Af.; XIII = S. Am. XIV = A.O.F., N. Am., C. Am., Antilles, Guiana, S. Am. (Northern part).

Time	kc/s and Beamed Areas	News
05.00–07.00	15440 (I) 9730 (II) 5970 (III) 11970 (XII)	F. 05.00, 06.00, 06.50 E. 05.15
08.30–09.15	15440 (IV)	E. 08.30, F. 09.00
09.15–10.30	11970 (XII)	Sun. only
11.00–11.55	15420 (V) 15440 (VI)	E. 11.00, F. 11.30
12.00–12.30	15440 (X)	E. 12.00
13.30–15.15	17885 (VIII)	F. 13.30, 15.00, E. 14.40
14.00–17.00	9625 (IX)5970/ 4795 (X) 1484 (XI)	Sun. only "Sport and music" (relay Paris).
18.30–22.55	11970 (XII)	F. 19.00, 22.00, P. 18.45 E. 18.30, 22.45
23.00–01.15	9625 (XIII)	P. 23.30, F. 00.00
23.00–03.00	11970 (XIV)	Sp. 01.00, 02.30 E. 01.15, 02.45

Fixed Prgr.'s:
French: Lesson for E.-speaking listeners: W. 22.30, Tues., Wed., Fri., Sat. 01.45. – "L'Afrique vous parle": Tues., Fri. 14.15, 19.30, 22.15, Sat. 00.15. – "African Scrapbook": Sun. 18.30, Mo. 01.15, Fri. 11.15. – Portuguese: "Massage de Paris": Sun. 23.00. – Spanish: "Parfums de Paris": Mo. 00.30, 02.00. – "Images de la vie parisienne": Sat. 00.30, 02.00. – Swedish: Every 4th Wed. 19.30.
International Request Prgr.: Fri. 19.45–22.00.

ANN.: Radio Brazzaville: F.: "Ici Brazzaville, Poste National Français" – E.: "This is Radio Brazzaville, the French National Broadcasting Station in Central Africa" – P.: "Aqui Radio Brazzaville, Emissora Nacional da Franca ne Africa Equatorial". – Sp.: "Aqui Radio-Brazzaville. Emis. Nacional Francesa".
Radio A.E.F.: F.: "Ici Radio A.E.F.".
INT.-SIG.: Five different notes played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box. – V. by QSL-card. Return postage required. – PUB.: Monthly prgr. on request to R. Brazzaville, B. P. 108, Brazzaville.

RADIO TCHAD (Go.).
ADDR.: B. P. 168, Fort Lamy. Tchad. – L.P.: Dir. G. Violante.
HOME SCE in French, Arabic, Sara:
1466kc/s 205m 1kW 11.00 (Sun. 10.00)–12.45, 17.15 (Sun. 15.30)–20.00.
4904 – 61.18 – 4 17.15 (Sun. 15.30)–20.00.
6200 – 48.39 – 4 11.00 (Sun. 10.00)–12.45.
French: 12.00–12.45, 19.00–20.00. – Arabic: 11.00–11.30, 17.15–17.30. 18.20–19.00.
Sara: 11.30–12.00, 17.30–18.20.

ANN.: F.: "Ici Radio-Tchad, Station du Réseau de la Radiodiffusion de la France d'Outre-Mer." – V. by QSL letter.

★ GHANA ★

L.T.: GMT – L.: English, Ghana dialects. – Rcvrc.: 21.000
GHANA BROADCASTING SYSTEM (Govt.).
ADDR.: P.O. Box 1633, Accra. Cable: "Broadcasts."
L.P.: Dir. J. B. Millar, B. A., M.B.E. Dir. Tec.: A. W. Busby, A.M.I. E.E. Dir. of Prgr.: H. V. L. Swanzy B. A. Dir. of N: I. Wilson.
HOME SCE:
Kc/s m kw
3366 89.13 20: 05.55–08.00, 15.45–22.15 (Sat. 23.00)*
4915 61.04 5: 05.55–08.00, 12.00–22.15. (Sat 23.00)*
9640 31.12 1.3: 12.00–18.15*)
* Sun. 05.55–22.15.
N. in English: 06.00 (Home), 07.00 (BBC), 13.00 (Home), 18.00(Home), 20.00 (BBC), 21.00 (Home) – N. in Ghana dialects: 12.15, 16.50. – Wrp. 12.00, 17.45. – ANN.: At start of tr.: "This is the National Service of the Ghana Broadcasting System preceded by Drumming. At other times "R. Ghana" Accra. – V. by letter. Return postage required.

★ GUINEA (French) ★

L.T.: GMT. – L.: French: Vernaculars.
RADIO CONAKRY (Go.). ADDR.: B. P. 617. Conakry.
HOME SCE: W. 06.30–07.30, 15.00 (Sat. 13.30)–18.15, 18.30–21.30 (Sat. 22.00). Sun. 10.00–18.15, 18.30–22.00.

1403kc/s 213.8m 1kW	4910kc/s 61.10m 4kW
3376 – 88.86 – 1 –	6155 – 48.74 – 1 –

Vernaculars: Malinke, Soussu, Foulah: 18.30–19.45. Other prgr's in French. – N.: 12.30, 19.45.
ANN.: "Ici Conakry, Radiodiffusion Française d' Oùtre-Mer"
INT.-SIG.: First movements of "Marouf" by H. Babaud. At opening: First movements of "Veronique" by A. Messager. – V. by QSL-letter.

★ GUINEA (Portuguese) ★

L.T.: GMT + 1 h; – L.: Portuguese. – Rcvrs: 1200.
EMISSORA DA GUINE (Go.).
ADDR.: Emissora da Guiné, Bissau. Cable: Radiodifusao. – L.P.: Pres.: Eng. A. dos Santos.
HOME SERVICE: 21.30–23.00.
Bissau, CMQ 3975kc/s 75.48m 1kW (to be 5 kW).
N.: 21.45–21.50 (local), 22.15–22.25.
ANN.: "Aqui Bissau, Emissora da Guiné". – INT.-SIG.: "Variations in D-minor" by A. Paredes played on guitar. – V. by QSL-card.

★ GUINEA (Spanish) ★

L.T.: GMT + 1 h. – L.: Spanish.
EMISORA DE RADIODIFUSION SANTA ISABEL (Go.).
ADDR.: Apartado de Correios no. 195. Santa Isabel.
D.PRGR.: W.: 06.30–07.30, 12.00–14.00, 17.00–21.00. Sun.: 12.00–14.30, 18.30–20.30.
Santa Isabel 7160 kc/s 41.90m 0.5/5kW. – N. in Sp.: W.: 13.15–13.30. – French: 18.45–19.15; Portuguese: 18.00–18.30; Bubi&Pamue: 17.00–18.00. – INT.-SIG.: Opening: "Los Voluntarios". Close down: Spanish National Hymn. – ANN.: "Aqui emisora de Radiodifusión de Santa Isabel de Fernando Poo" – V. by letter.
RADIO ECUATORIAL (Go.).
ADDR.: Radio Ecuatorial, Bata. – L.P.: Dir. Enrique Lopéz Saéz.
HOME SERVICE:
Bata 7785kc/s 38.53m 0.4kW 12.30 13.45, 20.15 22.00.
ANN.: "Aqui Radio Ecuatorial, Bata, La Voz de Espana en Guinea". – V. by letter.

★ IVORY COAST (French West Africa) ★

L.T.: GMT. – L.: French, Vernaculars. – Rcvrs.: 2500.
RADIO ABIDJAN (Go.)
ADDR.: Service de l'Information, B.P. 1571, Abidjan. – L.P.: Dir. R. Barras.
HOME SCE: in French, English and Vernaculars.
1495 kc/s 200 m 2 kW } W.: 06.30–08.00, 12.15–14.00, 17.45
4940 – 60.73 – 10 – } (Sat. 16.00) – 22.30. Sun. 07.15–22.30.
English: Mo., Wed., Fri.: 17.45–18.00. – Vernaculars (Mossi, Djoula, Ebriee, Betee, Baoulee): 18.00 (Tues., Thurs., Sat. 17.45)–19.15.
ANN.: "Ici Abidjan, Station de Radiodiffusion de la Côte d'Ivoire emettant sur...". – INT.-SIG.: First 10 bars of the Allobroges. – V. by QSL-card. I.R.C. should be enclosed.

★ KENYA ★

L.T.: GMT + 3. h – L.: English, Hindustani, Swahili. – Rcvrs.: 25.000.

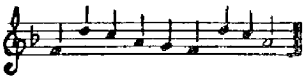
KENYA BROADCASTING SERVICE
Conducted by Cable and Wireless Ltd., under license from Government. The Department of Information is responsible for all broadcasts to Africans. (East African Broadcasting Service).

CABLE AND WIRELESS BROADCASTING SERVICE (Priv.)
ADDR.: Cable and Wireless Ltd. P.O. Box 777, Nairobi. Cable: Empiregram. – L.P.: Man.: K. G. Rogerson. Dir. Prgr.: Richard Coltart. Chief Eng.: W. H. I. Stephens.
HOME SERVICE: WQ7LO
Hindustani:
863 kc/s 439.2 m 3.5 kW: 10.00 (Sun. 07.00) 11.00, 15.45–18.30.
6060 – 49.50 – 3 – : 10.00 (Sun. 07.00) 11.00, 15.45–18.30.
English:
683 kc/s 347.6 m 5 kW: 03.30–05.00, 10.00–11.00, 15.00–20.00*)
4885 – 61.41 – 5 – : 03.30–05.00, 15.00–20.00 (Sun. 15.00–19.00).
7240 – 41.44 – 5 – : 10.00–11.00 (Sun. 07.00–11.00).
*) Sun. 07.00–11.00, 15.45–18.30.
N. BBC rel.: 04.30, 16.00, 18.00. Local N., Wrp.: 16.10, 18.15.
ANN.: "This is the Cable and Wireless Broadcasting Station, Nairobi, calling you on wavelengths of..." – V. by letter. Postage desirable.

AFRICAN BROADCASTING SERVICE (Go.)
ADDR.: P.O. Box 30025, Nairobi, Kenya. Cable: Knowledge. – L.P.: Dir. of Inf.: J. H. Reiss. Mgr.: A. M. Dean: Dir. of Prgr.: B. Morton-Smith. Dir. Tec.: C. J. Cripps.
STATIONS:

		kc/s	m	kW
Nairobi	ZHW3	620	483.9	0.5
Mombassa	ZHV5	791	379.2	0.5[1])
Kisumu	ZHW7	1268	236.6	0.5[3])
Kisumu	ZHW6	4804	62.45	0.5[3])
Nairobi	ZHW2	4934	60.80	7.5
Mombasa	ZHW4	4985	60.18	0.5[1])
Nyeri	ZHW24	6170	48.62	0.2[2])

[1]) Sauti Ya Mvita [2]) Mount Kenya st. [1]) West Kenya st.
HOME SCE in Swahili: 620/4934 kc/s: W.: 03.30–04.30, 10.00–11.00, 14.15–18.30. Sun. 05.00–10.30, 14.30–18.45. – Nat. Music: Sun. 06.15, Mo. 17.45. – N.: D. 15.45. – Wrp.: D. 15.55. – Prgr. in English: D.: 18.00–18.30.
ANN.: E.: "This is the African Broadcasting Service, Nairobi, Kenya." – Swahili: "Hii ni African Broadcasting Service, Nairobi, Kenya." – INT.-SIG.: African Mbira (Manually operated music box).



V. by letter. – PUB.: Habari Za Radio (Monthly).
RADIO MOMBASA: ADDR.: Box 2200, Mombasa. Cable: "Knowledge". – L.P.: Head: The Provincial Information Officer: K. J. A. Hunt. Ass. Dir. R. N. Watkins-Pitchford. Broadc. Officer: A. E. Woodham. Tec. Officer: E. Everson.
HOME SCE: ZHW5 791 kc 379 m 0.5 kW. – ZHW4 4985 kc 60.18 m 0.5 kW.
D.: 03.30–04.30, 16.00–20.00. Sun. also 08.00–10.00. – N.: Swahili: 17.15. Arabic: 19.00. – Nat. Music: 04.05–04.30, 19.30–20.00. – Mbg.: Swahili: Sat. 16.15.
ANN.: E.: "This is Sauti ya Mvita (Mombasa)" – Swahili: "Hiini Sauti ya Mvita (Mombasa)" – INT.-SIG.: Composite of Arabic Flute Music and ann. in Swahili. – V. Reports from Kenya Coast Pro. only. – F.PL.: African prgr. shortly probably from 15.00–16.00.
R. KISUMU. ADDR.: West Kenya Station. Private Bag, Kisumu. – L.P.: Prgr. Organizer: W. Mbotela. Tec. Officer: J. Cook. –
On 1268/4804 kc/s. in Swahili and Vernaculars: W.; 03.30–04.30, 14.00–18.10. Sun. 05.00–10.00, 14.00–17.00. – N.: Swahili: 15.45. – English: (rel. BBC): D. 18.00–18.10.
ANN.: E.: "This is the West Kenya Station of the African Broadcasting Service transmitting on..." – V. by letter. R. p.
R. NYERI: ADDR.: Mount Kenya Station, P. O. Box 140, Nyeri. – L.P.: Prgr. Organizer: J. Murdoch. Tec. Officer: L. Mazery.
On 6170 kc/s in Kikuyu: W.: 04.00–05.00, 10.00–11.10, 13.15–17.00.

FORCES BROADCASTING SERVICE Nr 2 (Military).
ADDR. British Forces Post Office 10, P.O. Box 4040, Nairobi. – L.P.: St. Commander: I. R. Woolf.
Stations: 1420 kc/s 211 m – 5034 kc/s 59.59 m – 6112 kc/s 49.08 m.
HOME SERVICE: English, Swahili. W.: 03.00–05.00, 09.30–20.00. Sun. 04.00–20.00. – ANN.: "You are tuned to the Forces Broadcasting Station East Africa.".

★ LIBERIA ★

L.T.: GMT + 3/4 h. – L.: English, French, Arabic, African Vernaculars. Rcvrs.: 3.000.

RADIO STATION ELWA (Non-comm. Missionary Broadc. Sce. of the Sudan Interior Mission).
ADDR.: Monrovia. – Cable: "Evangel, Liberia". – L.P.: St. Mgr.: Rev. R.G. de la Haye. Dir. Tec.: H. Ries. – Dir. Prgr.: D. Reed. Dir. Press: A. Lueders.
HOME AND FOREIGN SCE.:

kc/s	m	kW	
710	422	1	: W. 06.45–09.15, 18.45–21.45 exc. Sat., Sun. 07.15–10.45, 16.45–23.15. In E, Liberian vernaculars.
4760	63.03	10d:	W. 06.45–09.15, 19.45–21.45. Sun. 07.15–10.45, 19.45–23.15. In E., F., P., W.Afr. languages.
9650	31.09	10d:	Tues. 01.00–02.30. English to No.Am.
9670	31.02	10d:	W.: 05.00–06.30. In E., F., W. Afr. languages.
11995	25.01	10d :	D. 16.00–19.30. In E., F., Arabic, Amharic.
15200	19.74	10d:	Tues.: 11.45–12.45. In E. to No. Am.
21535	13.93	0.25d:	Simultaneously with 4760, 9650, 11995, 15200

kc/s. English: W. 07.00 (4760 kc/s), 18.00 (11995 kc/s). – Listeners Request: W. 06.45–07.00, 21.00–21.30 (exc. Mo.) (21535 kc/s).
ANN.: E.: "This is Radio Station ELWA, broadcasting from Monrovia, Liberia. – V. by letter or QSL-card. Postage appreciated. PUB.: ELWA R. News Bulletin. Free of charge on request. – F.PL.: s.w. 20 kW, 1958.

LIBERIAN BROADCASTING COMPANY (Comm.)
ADDR.: Liberian Broadc. Company, Monrovia.
HOME SERVICE: In English and Arabic. ELBC 900 kc 333.3 m 15 kW – ELBI 6022 kc 49.79 m 1 kW.
ANN.: "This is the Liberian Broadcasting Company".

★ LIBYA ★

L.T.: GMT + 1 h. (Su. 2 h.). – L.: Arabic, English. – Rcvrs.: 19.000.

RADIO TRIPOLI (Govt.).
ADDR.: Radio Tripoli, c/o Tripolitania, Liaison Officer, Tripoli.
STATION: 1052 kc/s 285 m 2 kW – 6140 kc/s 48.86 m: D. 18.00–21.15 in Arabic. – N. 18.15, 21.00
Benghazi 7180 kc/s 41.78 m Rel. R. Tripoli.
ANN.: "Here is Tripoli" (in Arabic). – V. by QSL-card and letter.

FORCES BROADCASTING STATION Nr. 1.
ADDR.: No 1 Forces Broadcasting Station, British Forces Post Office, 57, Tripoli. – STATION: 1484 kc/s 202 m. 7.5 kW.
D. PRGR.: in English: 05.30–07.30, 11.30–22.00 – ANN.: "This is the Forces Broadcasting Station Tripoli".

FORCES BROADCASTING STATION No. 5.
ADDR.: British Forces P.O. 55, Benghazi. 833 kc/s 360 m 1kW. – 1484 kc/s 202 m 0.35 kW.
D. PRGR.: in English 04.00–06.00. 10.30–14.00, 14.15–21.00.

ARMED FORCES RADIO TELEVISION SCE. (USA Air Force). Wheelus Field 1510 kc/s 1 kW – W. 04.00–22.00 (Sat. 24.00) Sun. 07.00–22.00. Addr.: 7272 nd Air Base Wing, APO 231 New York, N. Y., U. S. A.

★ MADAGASCAR (French) ★

L.T.: GMT + 3 h. – L.: French, Malgache. – Rcvrs.: 50.000.

RADIO TANANARIVE (Go.).
ADDR.: Place Colbert, Tananarive. – L.P.: Dir. Prgr.: Guillon. Dir. Tec.: M. Grisvard. Dir. Malgache Netw.: R. Rabesahala.
HOME SERVICE:
French Network:
W.: 03.30–05.30, 09.00–11.00, 15.00–19.30. Sat. 03.30–05.30. 09.00–19.30. Sun.: 04.00–07.45, 08.30 – 11.30, 14.15–19.30.
1394 kc/s 215.2 m 1 kW 6172 kc/s 48.60 m 1 kW.
3232 – 92.82 – 5 – 9515 – 31.53 – 1 –
N.: 04.00 (W) 09.15, 10.30, 16.00, 18.00. – L.L.: Sat. 11.45 (Malgache), 13.00 (English) – Wrp.: D 03.45 (W), 09.15, 16.00.
Malgache Network: 1 kW.
W.: 03.30–05.00, 09.00–11.00, 15.00–18.00. Sun. 04.00–11.00, 15.00–18.00.
1502 kc/s 199.7 m – 3386 kc/s 88.60 m – 7155 kc/s 41.92 m.
N.: 04.15, 09.00, 17.30.
ANN: French: "Ici Radio Tananarive" – at opening followed by: "Voici notre émission de la journée diffusée sur les longueurs d'ondes suivantes...". – INT.-SIG.: Malgache Music. – V.. by QSL -card.

★ MAURITIUS ★

L.T.: GMT + 4 h. – L.: French. – Rcvrs.: 24.000.

MAURITIUS BROADCASTING SERVICE (Govt.).
ADDR.: Broadcasting House, Pasteur St., Forest Side. – L.P.: Mgr.: C. de Chazal.

HOME SERVICE:
1364 kc/s 220 m 5 kW – 15062 kc/s 19.92 m 1.5 kW.
W.: 03.00–04.15, 08.00–09.30, 13.00–17.30. Tues., Thurs. also 09.00–10.15. Wed.: 09.30–10.00. Sun. 03.00–09.15, 13.00–17.30. – N.: French: 03.30. English: 04.00.
ANN.: E.: "This is the Mauritius Broadcasting Service." French: "Ici le M.B.S. poste de radiodiffusion de l'Ile Maurice." On short wave Sun. "Maurice apelle Les Chagos, Rodrigues, Agalega, S. Brandon."
See corrections last page.

★ MOROCCO ★

L.T.: GMT. – R. Derca GMT + 1 h. – L.: Arabic, French, Spanish. Revrs.: 300.000

RADIODIFFUSION NATIONALE MAROCAINE (Go.)
ADDR.: 1, Rue Coli, Rabat. – Cable: "Radio-Maroc".
L.P.: Dir. M. Kacem Zhiri. Dir. Tec.: M. A. Berrada. Dir. Adm.: A. Bennani. Chief Arabic Dept. and N. Dept.: M. A. Ben Mansour. Asst.: M. A. Gharbi. Dir. French Prgr. Dept.: M. P. Copeau. Chief French N. Dept.: M. P. Parent.
HOME SERVICE:
ARABIC NETWORK:
Mo.–Thurs.: 06.45–09.00, 12.00–15.30, 17.00–24.00. Fri.: 06.45–10.00, 12.00–24.00. Sat.: 06.45–09.00, 12.00–15.00, 17.00–24.00. Sun.: 06.45–11.00, 12.00–15.00, 17.30–24.00.

	kc/s	m	kW		kc/s	m	kW
Sebaa Aïoun	701	428	140	Sebaa Aïoun	5968	50.27	1
Casablanca	818	367	1	Tanger	15205	19.73	50 *)
Oujda	818	367	0.25	Casablanca FM 96.0 mc/s 0.25			
Rabat	917	327	0.25	Rabat FM 87.0 mc/s 0.35 kW			

*) For Middle East.
FRENCH NETWORK:
W.: 06.45–08.45, 12.00–14.30, 18.00–23.30 (Sat. 24.00). Sun. 07.30–15.00, 18.00–23.30.

	kc/s	m	kW		kc/s	m	kW
Sebaa Aïoun	611	491	140	Oujda	1295	232	0.25
Casablanca	1187	253	1	Sebaa Aïoun	6006	49.95	1
Rabat	1187	253	0.25	Casablanca FM 90.0 mc/s 0.25			
Casablanca	1295	232	1	Rabat FM 92.0 mc/s 0.35 kW			

N.: W.: 08.00, 13.00, 14.25, 18.30, 20.00, 23.25. Sun.: 08.15, 13.00, 20.00, 23.25.
THIRD NETWORK:

Sebaa Aïoun	1016 kc/s	295 m	1 kW	12.00–14.30 English**
Rabat	1043 –	288 –	20 –	13.00–15.00 Berbère*
Sebaa Aïoun	7214 –	41.59 –	1 –	12.00–20.00 Spanish

*) Mo., Tues., Wed., Sat. **) Fri. only.
ANN.: "Ici Rabat Radiodiffusion Nationale Marocaine" in F., Arabic, Berbère, E., Sp. – Ver. by QSL-card or letter. – F.PL.: Increase Oujda rel. st. to 1 kW. FM stations Tanger, Sebaa Aïoun, 1 kW rel. sw. st. Agadir.

RADIO DERSA (Comm.)
ADDR.: Cardenal Cisneros 15, Tetuan.
L.P.: Dir. Gen.: Conde de Marsal. Dir. Prgr.: J. Maestre. Dir. Adm.: A. de Molina. Dir. Tec.: M. Picardo.
HOME SCE.:

827 kc/s	363 m	20 kW	12.00–15.00, 18.00–23.00	Spanish
917 –	327 –	5 –	13.00–16.00, 19.00–22.00	Arabic
6067 –	49.45 –	1 –		

ANN.: Sp.: "Aqui Radio Dersa Tetuan". – Arabic: "Huna Radio Dersa Tetuan". – V. by QSL-card.

AFRTS STATIONS (US Military)
Port Lyauteau WNAA 1512 kc/s 0.1 kW (Navy): 07.00–24.00 (Fri. 07.00 – Sun. 24.00 without break).
Nouasseur WIND 1594 kc/s 188.2 m 0.1 kW (Air Force): D. 24 h.
Sidi-Slimane WCOX 1594 kc/s 188.2 m 0.1 kW (Air Force) – Ben Guerier WLEM 1594 kc/s 0.1 kW (Air Force). – Rabat KFAD 1594 kc/s 0.1 kW (Air Force).

TANGIER

L.T.: GMT. – L.: French, Spanish, Arabic, English. – Revrs.: 12.000.

RADIO-AFRICA-MAGHREB (Comm.)
ADDR.: 9, Rue de Russie, Tangier. – Cable: "Rafrica". – L.P.: Adm.: J. de Bournet. Dir. Gen.: L. Lartigau. Dir. Prgr.: G. Marquet. Dir. Press and Inf.: M. d'Hermy. Dir. Adm.: P. Joubert. Dir. Tec.: A. Koller. Secr. Prgr.: D.Lalanne. Arabic Dept.: M. Tazi. English Dept.: L. Dierick. Spanish Dept.: C. Caravaca. Listeners Sce. A. S. Roman
HOME SERVICE: 935 kc/s 321,1 m 100 kW (d. 160 kW).
W.: 07.00–09.00, 11.45–15.30, 17.15–23.30, Sun. 07.45–23.30.
In E., F. and Sp.: 07.00–09.00, 11.45–15.30, 19.45–22.00.
In Arabic: 17.15–19.45, 22.00–23.30. – N. Commentary: Each half hour. – Complete Bulletins: 07.00, 08.00, 13.00, 20.00. – Wrp.: 08.10, 13.10, 20.10. – Request Prgr.: Sun. 10.00–11.15.
ANN.: F.: "Ici Radio Africa-Maghreb, émetteur de Tanger." – E.: "This is Radio-Africa-Maghreb." – Sp.: "Aqui Radio-Africa-Maghreb." – INT.-SIG.: Bell. – V. by QSL-card. – PUB.: Monthly "Radio Africa."

RADIO-AFRICA-TANGER (Comm.)
ADDR.: 9 rue de Russie, Tangier. – Cable: "Rafrica". – L.P.: Deputy Adm.: J. de Bournet. Gen. Secr.: C. Dubreuil. Comm. Mgr.: P. Benoit. Chief Eng.: K. Horat. Artistic Sce.: Miss L. Sillero. French Dept.: S. Colett. Arabic Dept.: M. Tchioua. Listeners Sce.: H. Blanco.
HOME SERVICE: 593 kc/s 506 m 20 kW.
W.: 07.00–09.00, 11.45–15.30, 17.15–23.30.
E., Fr., Sp.: 13.45–15.30, 17.15–19.45, 22.00–23.30. – Arabic: 07.00–09.00, 11.45–13.45, 1945.–22.00.
ANN.: F.: "Ici Radio-Africa-Tanger." – Sp.: "Aqui Radio Africa-Tanger." – E.: "This is Radio Africa Tangier." – INT.-SIG.: Bell. – V. by QSL-card.

RADIO-EURAFRICA (Comm.)
ADDR.: 9, rue de Russie, Tangier. – Cable: "Rafrica". – L.P.: Deputy Adm.: J. de Bournet. Gen. Man.: L. Lartigau. Dir. Prgr.: C. Izard. Dir. Press and Inf.: P. Gimel. Dir. Adm.: L. Dierich. Dir. Tec.: G. Widter. Secr. Prgr.: M. Martin. Arabic Dept.: A. Lamrani. Publicity Dept.: G. Beaudry. Artistic Sce.: L. Sillero.
SHORT WAVE SERVICE
FOR EUROPE: "RADIO-EURAFRICA".
Stations: 5, 10, 20 kW tr. operating in the 31, 25 and 19 m.b. and 7126 kc/s. – D.PRGR.: 12.00–15.00, 16.30–23.00. – Prgr. and concerts in Da., Fi., F., G., No., Sp., Sw. – ANN.: "This is Radio Eurafrica, Tangier". – V. by QSL-card. – R.p.

PAN AMERICAN RADIO, TANGIER (Comm.)
ADDR.: 16, rue Delacroix, Tangier. – Cable: Panamericana.
L.P.: Pres., Dir.: J. Surinàch Oller.
HOME SERVICE in Spanish:

1128 kc/s	266 m	5 kW**	09.00–00.30*
7290 kc/s	41.15 m	3 kW	08.00–01.00*
14500 kc/s	20 m	3 kW	Under construction
575 kc/s	522 m	5 kW	Not in use

**) Is planned to be increased to 50 kW. *) All the year.
N.: 13.30 (R. Nac. de España) 14.00 (BBC) 21.30 (R. Nac. de España)
Wrp.: 13.45, 21.30.

PAN AMERICAN RADIO INTERCONTINENTAL
1594 kc/s 188.0 m D.:
11.00–12.00 Arabic. – 17.30–18.45 Arabic. – 19.00–20.00 English, – 20.00–21.00 French.
ANN.: Sp.: "Aqui Pan American Radio, Tanger". – F.: "Ici Pan American Radio Intercontinental, Tanger". – E.: "This is Pan American Radio Intercontinental, Tangier". – INT.-SIG.: "Bim Bam Bum". Ver. by QSL-card.

R. TANGER – COMMERCIAL BROADCASTER
Sociedad Africana de Radiodifusion.
ADDR.: 33, Goya Street, Tangier, Morocco. – Cable: "Radiointer".
L.P.: Pres.: Antonio Garrigues. Secr. of the Board: Virgilio Oñate. Man. Dir.: Herbert R. Southworth. Dir. Adm.: A. Cuetos-Martinez. Dir. Tec.: Jesus Martin Cordova. Dir. Arabic Section S. Mustapha Abdullah. Dir. French Section: Jacques Hebrard.
STATIONS: R. Tanger.
1232kc 243,5m 50kW. For No. Afr. 120kW – 6110 kc 49.10m 2kW.
French: 07.00–09.00, 11.30–16.00, 20.00–21.30. N.: 07.00, 08.00, 08.50, 12.00, 13.00, 14.00, 15.00, 20.00, 21.20. – Arabic: 17.30–20.00, 21.30–24.00. N.: 17.45, 18.30, 19.55, 21.45, 22.30.
R. Tanger: 1079kc/s 278m 10kW. – Spanish: 10.00–11.30, 13.45–18.00, 18.30–24.00. N.: 14.00, 21.10. – English: 18.00–18.30. N.: 18.20. – Arabic: 11.30–13.45. N.: 12.00, 13.00. – Religious Mo.-Fri.: 17.00–18.00 22 languages on following bands: 31-41 m.b. 10 kW; 19-25 m.b. 10 kW; 29 m.b. 2 and 10 kW.
ANN.: E.: "This is Radio Tangier". F.: "Ici Radio Tanger". Sp.: "Aqui Radio Tanger". – V. by QSL-card or letter.

THE VOICE OF TANGIER (Missionary)
under the direction of International Evangelism, Inc. ,Greensboro, N.C., U.S.A. is a missionary radio station, dedicated exclusively to the broadcasting of the Gospel of our Lord and Saviour Jesus Christ and is maintained by free-will contributions.
ADDR.: The Voice of Tangier, P.O. Box 2219, Morocco. – L.P.: Pres. Rev.: Paul Freed. Field Dir.: Rev. Ralph Freed. Asst. Field Dir.: Rev.: Paul James Pietsch, Jr. Dir. Prgr.: Rev. Daniel Harvey.
D. PRGR.: 10/2.5 kW.
To S.W. Eu. & No. Af. on 7230 kc/s: Spanish: Tues., Thurs. 07.00–07.15. Sun. 13.00–14.00. Wed. through Sat. 13.00–13.30. – Portuguese: 7280 kc/s: Sun. 14.00–14.30, Mo. through Thurs. 13.30–13.45.
To N.W. Eu. on 9418 kc/s: English: Sun. 08.45–10.00, 20.30–23.15, Mo. 09.00–10.00, 20.30–23.00, Tues. 20.30–23.00, Wed. 09.00–09.30, 20.30–23.00, Thurs. 20.30–23.00, Fri. 20.30–23.15, Sat. 09.00–09.30, 20.30–23.15.

To C. Eu. on 9418 kc/s: **German:** Sun., Tues., Wed. 19.00–19.15, Sat. 21.15–21.30. – **French:** Mo. 19.00–19.15, Sat. 19.15–19.30. – **Polish:** Wed. 19.15–19.30, Sat. 19.30–20.00. – **English:** Sun. & Thurs. 19.15–19.30. – **Yiddish:** Mo. 19.15–19.30, Thurs. 19.00–19.15. – **Finnish:** Fri. 19.00–19.15. – **Norwegian:** 9337 kc/s D. 18.30–19.00.
To E. Eu. on 9418 kc/s: **Russian:** Tues. 19.15–19.30. – **Czech:** Sat. 19.00–19.15. – **Hungarian:** Mo. 19.30–19.45. – **Ukrainian:** Tues. 19.30–19.45. – **Estonian:** Wed. 19.30–19.45. – **Lithuanian:** Thurs. 19.30–19.45. – **Latvian:** Thurs. 19.45–20.00. – **Slovak:** Fri. 19.30–20.00.
To M. Ea. & No. Af. 9444 kc/s: **Music:** D. 18.00–18.15, 18.45–19.00. – **Hebrew:** D. 18.15–18.45. – **Albanian:** Mo. 17.45–18.00. – **Yugoslavian:** Tues. 17.45–18.00. – **Bulgarian:** Wed. 17.45–18.00. – **Greek:** Thurs. 17.45–18.00. – **Roumanian:** Fri. 17.45–18.00. – **Armenian:** Sat. 17.45–18.00. – On 9327 kc/s (subject to change): **Italian:** Sun., Mo., Wed., Fri. 21.00–21.30, Tues. & Thurs. 21.00–21.15.
ANN.: E.: "This is The Voice of Tangier". – **F.:** "Ici La Voix Evangélique de Tanger". – **Sp.:** "Esta es La Voz Evangelica en Tanger". – **P.:** "Esta é a Voz Evangélica de Tanger". – **INT.-SIG.:** Religious music. – Ver. by QSL-card.

VOICE OF AMERICA RADIO STATION IN TANGIER
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS: Tangier 35/50/100 kW: 02.30–07.00, 13.15–00.00.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
7115	42.16	11830	25.36	15295	19.61	17750	16.90
7235	41.47	11900	25.21	15330	19.57	17835	16.82
9615	31.20	15130	19.83	15340	19.56	17845	16.81
9635	31.14	15150	19.80	15380	19.51	17855	16.80
9740	30.80	15190	19.75	15385	19.50	21455	13.98
11730	25.58	15205	19.73	15405	19.47	21690	13.83
11760	25.51	15235	19.69	15440	19.43	21705	13.82
11785	25.46	15275	19.64	17705	16.94	25670	11.69
11790	25.45					25880	11.60

DAILY PRGR.: Short Wave: See U.S.A.
ANN.: "This is the Voice of America Radio Station in Tangier".
V. by QSL-card. No return postage required.

★ MOZAMBIQUE (Portuguese East Africa) ★

L.T.: GMT+2 h. – **L.:** English Portugese. – **Revrs:** 25.000
RADIO CLUBE DE MOÇAMBIQUE (Comm.).
ADDR.: P.O. Box 594, Lourenço Marques. – **Cable:** Radioclube.
L.P.: Pres.: Capt. António dos Santos Figueiredo. Vice Pres; da. Silva Rodrigues. Techn. Dir.: A. das Neves Gonçalves. Mgr.: Capt. João Pinheiro. Sub. Mgr.: A. Meirim. Chief Tec.: V. Rodrigues. Chief Portuguese Prgr.: C. A. Teixeira. Chief English Prgr.: David Davies.
PORTUGUESE NETWORK: 05.00–06.00, 09.30–11.30, 15.45–20.15. All the year round.

Call	kc/s	m	kw		kc/s	m	kW
CR7BO	737	407	10	CR7BE	9654	31.07	5
CR7BM	3250	92.3	7.5	CR7BG	15285	19.63	10
CR7BV	4829	62.11	7.5				

N.: 05.15, 10.30, 17.00, 20.00. – **ANN.:** On the h.: – 4 notes on gong followed by "Aqui Rádio Moçambique, fala -vos o Rádio Clube em Lourenço Marques, transmitindo...". – **V.:** by QSL-card.
ENGLISH NETWORK.

	kc/s	m	kW	Period
CR7BK	917	327	100	D. 03.30–05.00. 15.30–21.00 (Sat. 22.00)[1]
CR7BM	3222	93.11	7.5	D. 15.30–21.00 (Sat. 22.00).
CR7BU	4917	61.00	7,5	D. 15.00–21.00, (Sat. 22.00
CR7AA	7243	41.42	7.5	D. 03.30 (Sun. 04.50)– 21.00.
CR7BJ	9635	31.13	7.5	D. 05.00–16.00
CR7BF	11741	25.55	7.5	D. 03.30 (Sun. 04.50)–19.00.

ANN.: Every quarter-hour and half-hour – 4 notes on gong followed by "Lourenço Marques for Happy Listening in the ... metre bands".
INT.-SIG.: – Home and Foreign Sces.: Gong. – V. by QSL-card.

BRANCH STATIONS: In Portuguese:
Nampula – 1228 kc/s 244 m 0.26 kW. 10.00–11.30
Niassa – 3521 – 85.23 – 0.6 – 16.30–19.00

EMISSORA DO AERO CLUBE DA BEIRA (Priv.-Comm.).
ADDR.: Caixa Postal No. 3, Beira – **L.P.:** Dir. Gen.: J. M. Carregal Ferreira. Dir. Adm.: L. Rodrigues. Dir. Tec.: H. Ataide.
HOME SCE:
3255 kc/s 92.15 m 0.3 kW 09.30–12.00 (Sun. 07.00–12.00), 16.00–20.00.
5045 – 59.46 – 0.3 – 16.00–20.00
7255 – 41.35 – 0.35 – 09.30–12.00 (Sun. 07.00–12.00).
N.: 10.00, 17.15. – **Nat. Music:** 10.15, 16.15, – **Wrp.** 16.55. –
7120?

These are your

Lourenco Marques Radio

Wavebands for happy listening

[1]) 03.30—19.00 11741 kc/s (25.55 m)
[2]) 05.00—16.00 9635 kc/s (13.13 m)
[3]) 03.30—21.00 7243 kc/s (41.42 m)
[4]) 15.00—21.00 4917 kc/s (61.01 m)
[5]) 15.30—21.00 3222 kc/s (92.9 m)
[6]) 03.30—05.00, 15.30—21.00 917 kc/s (327 m)

Transmitters 1, 3 and 4 open at 04.50 hours on Sundays.
Transmitters 4, 5 and 6 close down at 22 hours on Saturdays.
All Times GMT. — NOTE: Subject to seasonal changes.

LOURENÇO MARQUES *For Happy Listening*

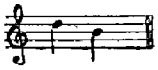
For full information see above.

Mozambique advertisement Lourenco Marques Radio

ANN.: "Radio Mocambique-falla-vos a Emissora da Aero Clube da Beira." – INT.-SIG.: Two chimes: do (natural) – e Lá bemol. – V by QSL-card. – F.PL.: Two new stations 5 kW approx. end of 1958.

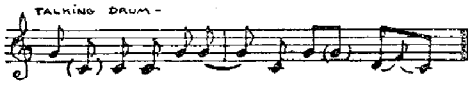
RADIO PAX (Religious-Owned by Franciscan Fathers)
ADDR.: Caixa Postal 594, Beira. – L.P.: Dir.: Dr. E. Costa. Dir. Tec.: Eng. C. Roca.
HOME SCE in Portuguese:
CR7RA 3952 kc/s 75.91 m 0.375 kW. D.; 16.30–19.00 – N. 18.15.
CR7RB 7205 – 41.64 – 0.05 – Sun. 05.45–07.00.
ANN.: "Aqui Beira fala-vos Radio Pax, Emissora Catolica de Mocambique". – INT.-SIG.:

V. by QSL-card. – F.PL.: Increase of power to 10 kW

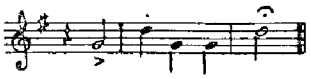


★ NIGERIA ★

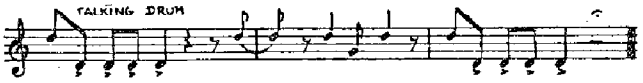
L.T.: GMT+1 h. – L.: English, Vernaculars. – Revrs.: 40.000.
NIGERIAN BROADCASTING CORPS (Indep. Corp.).
ADDR.: Broadcasting House, Lagos. – Cable: "Broadcast".
L.P.: Dir. J.A.C. Knott, OBE. Dir. Prgr.: Elwyn Evans. N-Editor: N.England. Dir. Adm. J.G.C. Allen, CMG. Dir. Tec.: J.W. Murray.
NATIONAL PRGR. (from Lagos):
1458 kc/s 206 m 5 kW 05.00–08.00, 09.30–22.00 (Sat. 23.00).*
4990 – 60.12 – 20 – d. 05.00–08.00, 15.30–22.00 (Sat. 23.00).**
9655 – 31.07 – 20 – d. 09.30–15.30 (Sun. 08.00–15.00).
* Sun. 06.00–22.00; ** Sun. 06.00–08.00, 15.30–22.00.
N. in English: 12.00 (Fri. 12.30), 14.00, 18.09, 21.00. – BBC-N.: 06.00, 07.00, 11.00, 13.00, 18.00. – Commentary: 18.25. – L.L.: "E. by R.": 05.10–05.15. – N. in Hausa, Ibo, Yoruba: 12.15, 16.45 (Sat. 14.45), 21.15.
NORTH REG. PRGR. (from Kaduna):
3326 kc/s 90.20 m 7.5 05.10–07.00, 18.00–22.00. (Sun. 22.10)
6175 – 48.58 – 7.5 11.00–17.45
WEST REG. PRGR.: (from Ibadan):
3995 kc/s 75.09 m 1 kW W. 05.00–08.00, 09.30–22.00 (Sat. 23.00) Sun. 06.00–22.00.
EAST REG. PRGR. (from Enugu):
1358 kc/s 220.9 m 0.3 kW 05.00–08.00 (W), 11.00–22.00 (D) exp.
3965 – 75.67 – 2.5 – 05.30–08.00 (W), 16.15–22.00 (D).
6145 – 48.82 – 2.5 – 12.30(Sun. 08.00)–16.00.
ANN.: Lagos: "This is the National Programme of the Nigerian Broadcasting Service". Kaduna: "This is the North Regional Programme of the Nigerian Broadcasting Service." Eunugu: "This is the East Regional Programme of the Nigerian Broadcasting Service." Ibadan: "This is the West Regional Programme of the Nigerian Broadcasting Service."
INT.-SIG.: National Prgr. (Talking Drum):



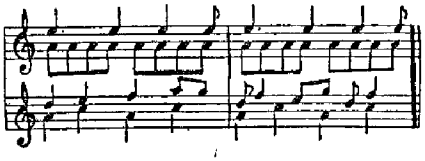
N. Reg. Trumpet-Type Instrument.



W. Reg.: Talking Drum.



E. Reg. Snakers Drum-zylophone Bass.



V. by letter. Reports wanted from Nigeria only. – PUB: Nigerian Radio Times

★ REUNION ★

L.T.: GMT+4 h. – L.: French. – Revrs.: 8.500.
RADIO REUNION (Go.).
ADDR.: B. P. 309, St. Denis. – L.P.: Chef des Services: J. Billaud.
HOME SERVICE:
624 kc/s 480.0 m 1 kW 02.30–04.00, 08.00–09.20, 14.00–18.30.
3380 – 88.76 – 1.5 – 02.30–04.00, 14.00–18.30.
4820 – 62.24 – 1.5 – 08.00–09.30.
N.: 02.30, 08.30, 16.30. – Wrp.: 03.20, 16.30. – ANN.: "Ici la Réunion, Radiodiffusion Française." – V.: by letter. – F.PL.: F.M. st.

★ RHODESIA ★

L.T.: GMT+2 h. – L.: English, Vernaculars. – Revrs.: 80.000.
A Broadcasting Corp., which will take over all broadcasting services n the Federation of Rhodesia and Nyasaland, is expected to come into existence early in 1958. James McClurg has been designated Dir. Gen.; C.K. Grierson Rickford, Controller of Adm.: J. Parry Controller English Sce: C. Sapseid Controller African Sce. and J.M. Reeves, Chief Eng.

NORTHERN RHODESIA

CENTRAL AFRICAN BROADCASTING STATION (Go.).
The Central African Broadcasting Station broadcast to African Listeners of the Federation of Rhodesia and Nyasaland.
ADDR.: P.O. Box 209, Lusaka. – Cables: "Broadcasts." – L.P.: Chief Information Officer: C. N. Lawrence. Broadc. Officer: C. Sapseid. Broadc Eng.: A. Davis (Acting.).
HOME SERVICE: Lusaka ZQP: D. 10.00 (Sun. 09.00)–19.00.

kc/s	m	kW	Prgr.	
1346	218.0	0.8	A	10.00 (Sun. 09.00)–19.00.
3914	76.60	2.5	A	16.00–19.00
4826	62.16	15	B+A	15.30–19.00.
7185	41.75	2.5	A	10.00 (Sun. 09.00)–15.00.
9710	30.90	2.5	A	10.00 (Sun. 09.00)–15.45.

A: AFRICAN PRGR.:
English: W. exc. Thurs. 18.00–19.00. Sun. 11.00–18.00. – N.: Thurs.: 18.00 (BBC); Sun. 14.00 (Nyasaland), 14.15 (World), 14.30 (So. Rhodesia) – L.L.: "English Words and Phrases. " Mo., Wed. Fri. 18.25
Vernaculars: (Chinyanja, Chibemba, Chitonga, Silozi, Chilunda, Luvale): W. 10.00–18.00.
A: EUROPEAN PRGR.: (English only).
Thurs. 18.00–19.00, Sun. 09.00–11.00, 18.00–19.00. – N.: 18.00 (BBC) 18.10.
B: AFRICAN PRGR.: D. 15.30–17.30 (Vernaculars only).
ANN.: E: "This is the Central African Broadcasting Station in Lusaka broadcasting to Africans in the Rhodesia and Nyasaland." – Chinyanja: "Kuno ndi ku Central African Broadcasting Station mu Lusaka. Moni kwa inu nonse mu Rhodesia ndi Nyasalandi."
INT.-SIG.: Kalimba Xylophone before BBC-relay at 17.55. – V.: Listeners reports from the Federation required.

SOUTHERN RHODESIA

L.P.: GMT+ 2h. – L.: English. – Revrs.: 46.642.
FEDERAL BROADCASTING SERVICE (Go.).
A Broadcasting Corp., which will take over all broadcasting services in the Federation of Rhodesia and Nyasaland, is expected to come into existence early in 1958. James McClurg has been designated Dir. Gen.; C. K. Grierson Rickford, Controller af Adm.; J. Parry, Controller English Sce.; C. Sapseid, Controller African Sce.; J. M. Reeves Chief Eng
ADDR.: P.O. Box 8008, Causeway, So. Rhodesia. – Cable: "Broadcasts". – L.P.: Controller: J. H. Parry.
HOME SCE.: W. 05.00–06.30, 09.00–12.00, 15.00–20.30 (Sa . 21.30). Sun. 08.00–12.00, 15.00–20.00.

	kc/s	m	kW		kc/s	m	kW
Salisbury	584	514	2	Gwelo	1043	288	2
	3396	88.35	7.5	Gatooma	791	379	2
	6018	49.84	7.5	Umtali	980	306	2
	9505	31.56	3	Que Que	746	402	2
Bulawayo	611	491	2				

N.: 06.00 (BBC) 09.10, 11.00 (BBC), 18.00 (BBC), 18.15. local.
ANN.: "Salisbury Calling." – "This is the Federal Broadcasting Service." – INT.-SIG.: Bells (St. Margaret's Chimes), Harp Glissandos. – V. by letter.

★ SAO TOMÉ PRINCIPE (Portuguese) ★

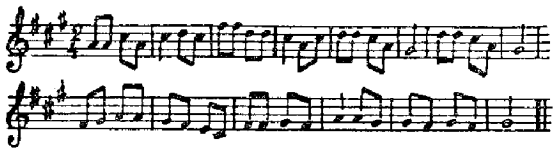
L.T.: GMT+1 h. – L.: Portuguese.
EMISSORA OFICIAL DE SAO TOMÉ (Go.).
HOME SCE.: 7157 kc/s 41.92 m 1 kW.: 19.00–21.00.

★ SEYCHELLES (British) ★

L.T.: GMT+4 h. – L.: English, French, Creole. – Rcvrs.: 150.
SEYCHELLES BROADCASTING SERVICE (Go.).
ADDR.: Education Departement, Victoria, Mahé, Seychelles.
L.P.: Director of Education: G. I. Michael. Tecnical Sce.: Cable and Wireless Ltd.
HOME SERVICE: ZCQ3 4990 kc/s 60.12 m 0 04 kW.: D. 15.15–16.15.

★ SENEGAL (French West Africa) ★

L.T.: GMT – L.: French, Vernaculars. – Rcvrs.: 100.000.
RADIODIFFUSION FEDERALE DE L'AOF (Go.).
ADDR.: 58, Blvd. Republique, Dakar. – L.P.: Dir. Federal: J. Sol-Rolland. Dir. Prgr.: Reg. A. Diop. Federale: B. Lucas. Dir. Adm.: Holo. Dir. Tec. J. A. Edel. Dir. Inf.: A. Celarié.
HOME SERVICE Radiodiffusion d' A.O.F.:
Federal Network:
W.: 06.30–08.00, 12.00–13.45, 18.00–23.30 (Sat. 24.00), Sun. 08.00–23.30.
1538 kc/s 195.1 m 4 kW – 4950 kc/s 60.6 m 25 kW (evening only) – 5960 kc/s 50.34 m 25 kW – 11895 kc/s 25.22 m 25 kW d. (exc. evening).
D. PRGR. in French and dialects of the Federation:
N.: French: 06.35 (W), 07.30 (W), 08.00 (Sun), 13.00, 20.00, 22.40 (Sun. 22.15). N.: in vernaculars: (Mossi, Bambara, Sarkhollé, Peulh, Haoussa, Songhai, Fon, Maure.): W. exc. Sat. 18.00–19.00. – African Songs: W. 06.40 – Bonsoir l'Afrique ... ici Dakar: Sat. 18.00–19.00.
Regional Network:
W. 07.00–08.30, 12.30–13.45 (Sat. 15.00), 18.00–22.30, Sun.: 08.00–22.30.
1304 kc/s 230 m 10 kW
4893 – 61.32 – 4 kW d. (07.00–08.00, 18.00–22.30)
7171 – 41.84 – 4 – (08.00–18.00).
N. in French.: 07.30 (W), 13.00, 20.00. – N. in dialects of F.W.Af.: (W) 18.00–20.00 – African Music: W. 07.00–07.30. Sun. 11.45–12.00 – Mbg.: Sun. 11.15–11.45 – Request Prgr.: Sun. 10.15–11.15 – "Paris speaks": W. 22.15. –
Mauritanien Network: 6045 kc/s 49.63 m: Experimental.
FOREIGN SERVICE:
On 1304, 4893 kc/s: 22.15–22.25. – English to Gambia, Gold Coast, Liberia, Sierra Leone: Tues., Thurs., Sat. – Portuguese to Portuguese Guinea: Mo., Wed., Fri.
ANN.: F.: "Ici Dakar, Radiodiffusion Fédérale de l'Afrique Occidentale Française. Programme chaine Féderal... ou Radio Dakar emettant sur..." – E.: "Here is Dakar, Federal Network, Station of West African Broadcasting Corporation." – P: "Aqui Dakar, Fédéral Radiodiffusion de l'Africa Occidental Francesa."
INT.-SIG.: Federal: Infanterie de Marine, Regional: Sidi Brahim.



V. by QSL-card. Return Postage required.
RADIO SAINT-LOUIS (Go.).
ADDR.: Radio Saint-Louis, Sénégal. – L.P.: Dir. Cl. Ernoult. Ass. Dir. T. Kovalsky. Dir. Centre: R. Garin.
HOME SCE. in French, Vernaculars (Maure, Oualoff, Toucouleur). 1348 kc/s 223 m 1 kW: 06.45–07.30 (F.), 12.00–12.30 (African prgr.), 12.30–13.45 (F), 18.00–20.00 (African prgr.), 20.00–22.30 (F.), exc. Mo., Wed., Fri. 21.30–22.30 (African prgr.), – N.: 07.30, 13.00, 20.00.
ANN.: "Ici Saint-Louis Radiodiffusion de la France d'Outre-Mer. Station du Sénégal et de la Mauritanie" – INT.-SIG.: Three notes trumpet and march: "C'est nous les africains." – V. by QSL-card. R. p.
RADIO MAURITANIE: Saint Louis, Sénégal. – L.P.: Dir. Cl. Ernoult. Ass. Dir. P. Noel. Dir. Tec.: N. Eteradossi.
HOME SCE.: 6045 kc/s 49.63 m 4 kW. D. Prgr.: in Maure (Hassania), Arabic: 19.00–22.00. – N.: 19.00–19.10. – ANN.: "Ici la Vox de la Mauritanie" in F., Maure, Arabian. – V. by QSL-card. R. p.

★ SIERRA LEONE (British) ★

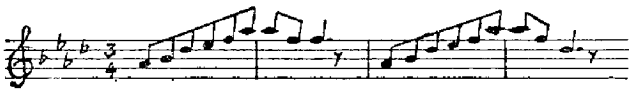
L.T.: GMT. – L.: English, Mende, Temne. – Rcvrs.: 2.000.
SIERRA LEONE BROADCASTING SERVICE (Go.).
ADDR.: New England, Freetown. – L.P.: Dir. Broadc.: L. Perowne. Broadc. Officer: J. Akar. Dir. Tec.: J. B. Garrett.
HOME SCE.: 3316 kc/s 90.46 m 5 kW: 06.45–08.00, 16.45–22.00 N. Wrp.: English, Mende, Temne: 07.15, 21.00 – Nat. Music: Mo. 18.30–19.00. Thurs. 20.45–21.00. – E. by R.: W. 20.10–20.15 – Mbg. English: Mo. alternate weeks 19.00–19.15.
ANN.: "This is Freetown Calling" or "You are tuned to Freetown in Sierra Leone Broadcasting Service."

★ SOMALILAND (British) ★

L.T.: GMT+3 h. – L.: Somali. – Rcvrs.: 2.000
RADIO SOMALI (Go.).
ADDR.: P. O. Box 14, Hargeisa. – Cable: Informat. – L.P.: Inf. Officer: J. M. Webber. Asst.: I. O. Aafarah. Prgr.: M. Hashi.
HOME SCE.: 7126 kc/s 42.12 m 5 kW: 13.30–16.15.
Somali 13.30–15.15, (N. 14,15). Mbg. Sat. 13.40 – English 15.15–16.15 (N. 16.00) – L.L. (English) 15.15 (Sun., Wed.).
ANN.: "Halkun Waa, Radio Somali (This is R. Somali) – INT.-SIG.: March. – V. Reports only from Somali-speaking audience. Printed acknowledgement sent.

★ SOMALILAND (French) ★

L.T.: GMT+3 h. – L.: French, Somali, Dankali, Arabic. Rcvrs.: 3.000.
RADIO DJIBOUTI (Go.)
ADDR.: Boite Postale 97, Djibouti. – L.P.: Dir. P Sausseau.
HOME SCE. on 4780 kc/s 62.76 m 1 kW. – W. 09.00–10.15, 15.00 –19.00. – French: 09.00–10.15, 17-00–19.00 – Somali: 15.00–16.00 – Dankali: 16.00–16.30 – Arabic: 16.30–17.00 – L.L. (French) 15.25.
ANN.: "Radiodiffusion de la France d'Outre Mer. ou "Ici Radio Djibouti. – La Voix de la France." – INT.-SIG.: Extrait d'une melodie Somalie. – F.PL.: 1 kw m w, 4 kw sw.



★ SOMALILAND (Italian) ★

L.T.: GMT+3 h. – L.: Somali, Italian. – Rcvrs.: 21.000.
RADIO MOGADISCIO (Go.).
ADDR.: Comando Base della Marina in Somalia, Direzione Sviluppo Economico Telecomunicazioni, Mogadiscio.
HOME SCE.: 572 kc/s 524.0 m 50 kW – 6200 kc/s 48.39 m 0.35 kW – 4972 kc/s 60.34 m 6 kW.
Arabic: D.: 04.15–05.30, 15.30–16.00, 16.30–19.30. Additional: Fri.: 07.30–09.30, Sun.: 08.00–09.00. N.: 04.30, 16.40, 19.10. English: D. 16.00–16.30. N.: 16.00.
ANN.: Arabic: "Huna Omdurman." E.: "This is the Sudan Broadcasting Service." – V. by letter.

★ SUDAN ★

L.T.: GMT+2 h. – L.: Arabic, English. – Rcvrs.: 7.000.
SUDAN BROADCASTING SERVICE (Go.).
ADDR.: P.O. Box 522, Khartoum. – Cable: "Irshad". – L.P.: Dir. Gén. M. A. Khangi. Dir. Tec.: I. Ghobrial.
HOME SCE.: 572 kc/s 524.0 m 50 kW – 6200 kc/s 48.39 m 0.35 kW – 4972 kc/s 60.34 m 6 kW.
Arabic: D.: 04.15–05.30, 15.30–16.00, 16.30–19.30. Additional: Fri.: 07.30–09.30, Sun.: 08.00–09.00. N.: 04.30, 16.40, 19.10. English: D. 16.00–16.30. N.: 16.00.
ANN.: Arabic: "Huna Omdurman." E.: "This is the Sudan Broadcasting Service." – V. by letter.

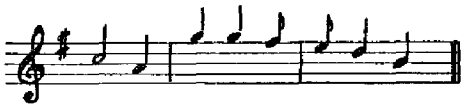
★ SUDAN (French) ★

L.T.: GMT. – L.: French, Vernaculars.
RADIO SOUDAN (Go.). – Bamako.
HOME SCE.: in French, Vernaculars (Bambara, Mossi, Peulh, Sontai): W. 19.00–21.00 (Sat. Sun. 22.00).
1430 kc/s 210 m 1 kW – 4835 kc/s 62.05 m 4 kW.
N.: French: 19.00–19.15, 20.00–20.25 (rel. R. Dakar). Vernaculars: 19.20–19.45.
ANN.: "Ici Bamako Radio Soudan emettant sur 1430 kc/s et sur 4835 kc/s". Close down with "La Marseillaise".

★ TANGANYIKA ★

L.T.: GMT+3 h. – L.: English, Kiswahili. – Rcvrs.: 2.000.
TANGANYIKA BROADCASTING CORP. (Go.).
ADDR.: Box 1649, Dar-Es-Salaam. – Cable: "Sauti". – L.P.: Chairman: J. P. Moffett. Chief Broadc. Officer: D. Swannie, M. B. E. Dir. Tec.: Chief A. R. Muir. Prgr. Officers: A. P. Forbes, Miss J. Nicholl.
HOME SERVICE:
1250 kc/s 240.0 m 1.25 kW [1]) 7167 kc/s 41.86 m 7.5 kW [3])
5050 – 59.41 – 20 – [2])
[1]) day and night, [2]) night, [3]) day.
Kiswahili: Mo., Wed., Fri. 03.15–04.40. W. 15.00–18.00 – English: Tues., Thurs., Sat.: 03.15–04.40, W. 18.00–19.30. – Wrp.: 15.10, 17.10, 18.15.
ANN.: Kiswahili: "Hii ni Sauti ya Tanganyika" E.: "This is the Tanga-

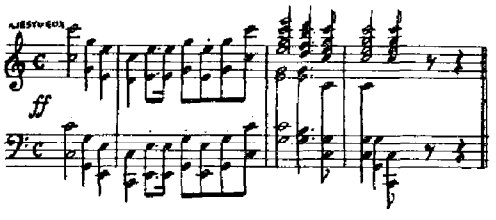
nyika Broadcasting Corporation". – INT.-SIG.: Guitar or Bells. – V. by QSL-card.



★ TOGO (French) ★
(République Autonome)

L.T.: GMT – L.: French, Mina, Ewe, Cabrais, Cotocolis, Bassari.

RADIO LOME (Go.)
ADDR.: Radiodiffusion du Togo, Lomé. – Cable: Radiolomé. – L.P.: Dir. M. Amah.
HOME SCE: "La Togolaise".
1394 kc/s 215 m 1 kW – 5036 kc/s 59.57 m 4 kW – 3222 kc/s 4 kW d: 06.00–08.00, 12.00–14.00, 18.00–22.00. Sat.: 06.00–08.00, 12.00–22.00 Sun. 07.00–14.00, 18.00–22.00. – Mbg.: Wed., Thurs., Fri., Sat., Sun.: 18.50.
INT.-SIG:



ANN.: "Ici Lomé Radiodiffusion du Togo". At opening and close down: Hymne Togolais.

★ TUNISIA (French) ★

L.T.: GMT + 1 h. – L.: French, Arabic. – Rcvrs.: 100.000.

RADIO TUNIS (Go.)
ADDR.: 139 Av. de Paris, Tunis. – L.P.: Dir. Broadc.: Mhadhebi Bechir. Dir. Tec.: B. Guyot.
HOME SERVICE:
Tunis I 629 kc 477 m 20 kW – Tunis II 962 kc 312 m 20/120 kW Sfax 584 kc/s 513.7 m 0.05 kW – Sfax 1421 kc/s 211.2 m 1 kW. relay.
Tunis I – French: 06.00–07.15, 11.00–13.00, 17.30–22.00.
N.: 07.00–07.15, 11.00–11.20, 12.55–13.00, 19.00–19.20, 21.45–22.00.
Tunis II – Arabic: 05.15–06.30, 11.30–13.30, 18.00–22.00.
N.: 06.00–06.15, 12.30–12.45, 18.02–18.10, 19.00–19.25, 21.35–21.50.
ANN.: F.: "Ici Radio Tunisienne". Arabic: "Huna al ida', a att Tunissia". – V. by letter or QSL-card. – F.PL.: 50 kW s.w. end 1958.

★ UGANDA ★

L.T.: GMT + 3 h. – L.: English, Vernaculars. – Rcvrs.: 20.000.

UGANDA BROADCASTING SERVICE (Go.)
ADDR.: P. O. Box 142, Kampala. – Cable: Knowledge. – L.P.: Dir. Information: A. G. Ridley, M. V. O. Dir. Prgr.: J. Kenyon. Dir. Tec.: A. Stephenson Assoc. I. E. E.
HOME SCE.: D.: 12.30–14.00, 14.15–19.30. Sun., Sat. also 11.00–12.30.
971 kc/s 309.0 m 0.5 kW – 548 kc/s 548 m 0.25 kW
5026 – 59.70 – 7.5 – d: – 15.15–19.30
7230 – 41.49 – 7.5 – d: – 12.30–15.00.
Prgr. in English: D. 17.30–19.30. N. 17.30, 18.00. – N.: In Ateso: W. 15.30. Lwo: W. 16.00. Lunyoro: W. 16.30. Luganda: 17.00.
ANN.: E.: "This is the Uganda Broadcasting Service". – Luganda: "Eno ye Uganda Broadcasting Service." – INT.-SIG: E.: Chopin Prélude in A major, op. 28, No. 7. – Vernaculars: "Kwebembera Omukama". – The Ntimbo Royal Drummers of the Omukama of Bunyoro. – V. by letter.

★ UNION OF SOUTH AFRICA ★

L.T.: GMT + 2 h. L.: English, Afrikaans. – Rcvrs.: 800.000.

SOUTH AFRICAN BROADCASTING CORP. (Go.)
ADDR.: P. O. Box 8606, Johannesburg. Cable: Broadcast.
L.P.: Chairman of the Board of Governors: Dr. S. H. Pellissier. Dir. Gen.: Gideon Roos. Dep. Dir. Gen.: N. L. Filmer. Secr.: J. P. A. van der Walt. Chief Accountant: R. C. Strike. Dir. Tec.: H. O. Collett. Chief Afrikaans Prgr.: M. M. van Lille. Chief English Prgr.: Miss G. N. Dickson. Chief Comm. Sce.: P. S. Louw. Chief News: A. M. van Schoor.

HOME SERVICES

Medium Waves:	English		Afrikaans		Comm.	
Johannesburg	kc/s	m	kc/s	m	kc/s	m
West Rand	638	470	719	417	575	522
East Rand	1034	290	827	363	1286	233
Pretoria	1439	208	1097	273	1268	236
Pietersburg	1115	269	863	348	989	303
Bloemfontein	674	445	593	506	782	384
Kimberley	1070	280	1241	242	962	312
Grahamstown	620	484	701	428	809	371
Port Elisabeth	1313	228	1043	288	1178	255
East London	1025	293	1151	261	908	330
Cape Town	656	457	557	538	728	412
Durban	566	530	692	433	800	375
Pietermaritzburg	764	392	665	451	845	355

ENGLISH and AFRIKAANS SCE: W.: 04.30–21.15, Sun.: 05.30–21.15. – N.: 05.00 (W), 06.00, 11.15, 16.00, 17.00 (W), 19.00, 21.00.
COMM. SCE: Springbok Radio: W. 03.00–22.00. Sun. 05.00–21.00.
Short Waves: The 3 services are broadcast simultaneously in two bands chosen from the following: 25, 31, 41, 60 and 90 m.

INT.-SIG.: Commercial Service: GGEDA.

INTERNATIONAL SERVICE: The Africa Sce. carries the English Prgr. on Tues., Thurs. and Sat., and the Afrikaans Prgr. on Mo., Wed., Fri. and Sun. – 15230 kc/s: 11.00–16.00 – 25800 kc/s: 11.00–18.00.
V. by QSL-card for all services. – PUB.: "SABC Radio Bulletin".

★ ZANZIBAR ★

L.T.: GMT + 3 h. – L.: Swahili. – Rcvrs.: 3225.

VOICE OF ZANZIBAR (Go.)
ADDR.: P. O. Box 222, Zanzibar. Cable: Information.
L.P.: Information Officer: Senior Commissioner: J. D. Stringer Sh. Yahya Alawi El-Yofil. Dir. Tec.: B. C. Norman.
HOME SCE: 10.30–11.30, 13.00–15.00
600 kc 500 m 0.25 kW – 4795 kc 62.5 m 0.25 kW.
Practically all prgr. and announcements are in Kiswahili.
ANN.: Kiswahili: "Hiini Sauti ya Unguja." Arabic: "Hadha Saut Zinjibar" – INT.-SIG.: Transmissions open with the anthem of His Highness the Sultan of Zanzibar. – V. by letter. – PUB.: Weekly newsletter in Swahili called Maarifa free on request.

★ ADEN (British) ★

L.T.: GMT + 3 h. – L. Arabic, English. – Rcvrs.: 1100.

ADEN BROADCASTING SERVICE (Go.)
ADDR.: Public Relations and Information Dept., P. O. Box 264, Aden. – Cable: Broadcasts. – L.P.: Public Relations Officer: N. J. Watt. Broadc. Officer: T. Z. Irany.
HOME SERVICE in Arabic: 12.00–14.00, 15.30–17.30.
800 kc/s 375 m 5 kW – 7170 kc/s 41.84 m and alternative 6150 kc/s 48.78 m 7,5 kW.
ANN.: Arabic: "Huna Aden". E.: "Here is Aden". – V. by letter.

ADEN FORCES BROADCASTING ASSOCIATION (Milit.)
ADDR.: R. A. F. Station, Khormaksar. – L.P.: Group Capt. Thomson, D. F. C. 1025kc/s 293m 0.3kW. English: 06.00–07.00. 16.45–20.00.

★ AFGHANISTAN ★

L.T.: GMT + 4½ h. – L.: Pushto., English. – Rcvrs.: 12.000.

AFGHAN BROADCASTING SYSTEM (Go.)
ADDR.: Telecommunications Division, Ministry of Communications, Kabul. – Cable: Aftel. – L.P.: Dir. Gen.: A. A. Durani.
HOME SERVICE
660 kc/s 454.5 m 20 kW: 02.30 03.30, 13.30–17.30.
18637 kc/s 16.1 m rel. 660 kc/s: 14.55–16.30,
English: 15.40–16.00. – Urdu Prgr.: 15.20–15.30. – Persian Prgr.: 16.00–16.15.
ANN.: Pushto: "Da Kabul dai." – INT.-SIG.: A record on national flute. – V. by letter.

★ BAHRAIN ★

L.T.: GMT + 4 h. – L.: Arabic. – Rcvrs.: 5000.

BAHRAIN BROADCASTING STATION (Go.)

ADDR.: Department of Public Relations and Broadcasting, Manama, Bahrain, Persian Gulf. – L.P.: Government Public Relations Officer H. D. Belgrave. Dir of Broadc.: Ibrahim Kanoo. Dir. Tec.: Anton Atallah.

HOME SCE: 610 kc 491. 8m 2 kW: D.16.00–18.30 Fri. also 04.30–06.30. – N.: D. 17.30. – Mbg.: Tues.: 17.00–17.10. – Wrp.: 17.45. – L.L. in English: Sun. 17.00–17.15, Wed. 16.10–16.25, Fri. 05.00–05.15. Nat. Music: D. exc. Thurs. 18.15–18.30.

ANN.: Arabic: "Huna Bahrain, Il-Iza'a Al- Bahrainia Al-Lasilkia". E.: "Here is Bahrain. The Bahrain Broadcasting Station". – V. by letter. – F.PL.: 3 h. per evening. – PUB.: Weekly "Bahrain Calling" in Arabic. Write for copy.

★ CYPRUS (British) ★

L.T.: GMT + 2 h. – L.: English, Greek, Turkish. – Rcvrs.: 76.000.

CYPRUS BROADCASTING SERVICE (Go.)

ADDR.: P. O. Box 824, Nicosia. – Cable: "Broadcasts", Nicosia.

L.P.: Dir. G. C. R. Proud, O. B. E., Dir. Tec.: G. Thomas.

HOME SERVICE Basic Greek Programme:

Nicosia:	692 kc/s	434 m	10 kW		W: 04.00–09.00[1]), 10.30–12.30[1])
–	606 –	495 –	2 –		14.30–19.30[2]), 19.30–21.00[1])
					Sun.04.30–06.00[1]), 06.00–10.30[2])
Paphos	922 –	325 –	2 –		10.30–12.30, [1])14.30–19.30[2]),
Limassol	1484 –	202 –	0.25 –		19.30–21.00[1])

[1]) prgr. shared by both ch. ,[2]) separate prgr. on each freq.

Basic Turkish Programme: Nicosia 606 kc/s 495 m 10 kW: 04.30–06.00, 10.30–12.30 (Sun. 05.00–12.30), 14.30–21.10.

N. in Greek: 05.15*), 12.00, 17.30, 20.30. – N. in Turkish: 05.30*), 12.00, 17.30, 20.30. – N. in English: 05.45*), 11.30, 17.00 (on 606 kc/s), 21.00*). – *) on both programmes.

ANN.: Blue ch.: "Edho Kypriaki Radiofoniki Ypiresia". Red. ch.: "Burasi Kibris Radyo Servisi.". – INT.-SIG.: Celeste. – V. by letter.

FORCES BROADCASTING SERVICE (Br. War. Dept.)

ADDR.: No. 4 Forces Broadcasting Service, B. F. P. O. 53, Nicosia. – L.P.: Station Commander: P. Buckle, Prgr. Officer: R. McDowell. Tec. Officer: St. Challoner.

HOME SCE: 1086 kc/s 276 m 1 kW – 1349 kc/s 222 m 0.3 kW.

English: W.: 04.00–06.15, 10.30–21.00. Sun. 05.00–21.00.

ANN.: "This is the Forces Broadcasting Station, Cyprus." – INT.SIG.: Musical Box. – V. by QSL-card/letter.

★ IRAN ★

L.T.: GMT + 3½ h. – L.P.: Persian. – Rcvrs.: 500.000.

DEPARTMENT OF PUBLICATION AND BROADC (Go.)

ADDR.: Radio Tehran, Ark Ave. Tehran. – L.P.: Dir. Gen.: N. Moinian. Dir. Prgr.: P. Sameei. Dir Foreign. Rel.: A. Moez. Dir. Tec. Ing. Attefi.

HOME SCE. in Persian: 02.00–20.30.

EOA 895 kc/s 335 m 50 kW EQO 3960 kc/s 75.76 m 20 kW
EQL 1250 – 240 – 0.4 –

N.: 03.30, 05.00, 07.30, 09.30, 11.00, 15.30, 17.30, 19.30. – L.L.: (English): Sun., Tues., Thurs. 15.45–16.00.

FOREIGN SERVICE: from 19.00–20.15.

1250 kc 240 m 0.4 kW – 9680 kc 30.99 m 20 kW – 17725 kc 16.93 m 10kW

Arabic: 19.00, Russian 19.15, Turkish 19.30, German 19.45, (Sun., Tues., Thurs.), French 19.45 (Sat., Mon., Wed.), English 20.00.

Urdu prgr. D. 12.10 on 895, 3960, 9680 kc/s.

ANN.: "This is Tehran Calling". Persian: "Inja Tehran." – INT.-SIG.: Iranian melody on piano. – V. by letter. – F.PL.: 100 kW march 58. – PUB.: Prgr. sched. free on request.

REGIONAL STATIONS:

R. Tabriz, Azarbajan – L.P.: Dir. Gen.: S. Hasan Adl. Dir. Tec.: Qafurt. Dir. Foreign Rel.: A. H. Tourani.

1500 kc/s 200 m 1 kW
6122 – 49 – 7.5 – } 02.30–04.00, 09.00–11.00, 14.00–17.30.

Persian: N.: 03.00, 10.00, 16.00. – Mbg.: Fri. 06.30–07.00. Wrp.: 10.15. – Turkish: N.: 14.30. Nat. Mus.: 09.30–10.00. – Kurdish: N.: 15.00– Armenian: N.: 17.00. – V. by letter.

R. Meshed 6250 kc/s 48 m 0.75 kW – R. Isfahan 6521 kc/s 46 m 0.5 kW
R. Shiraz 6383 kc/s 47 m 0.5 kW – R. Kordestan 8108 kc/s 37 m 0.5 kW
R. Ahwaz 8108 kc/s 37 m 0.75 kW.

★ IRAQ ★

L.T.: GMT + 3 h. – L.: Arabic, Kurdish. Rcvrs.: 50.000.

R. BAGHDAD (Go.)

ADDR.: Baghdad Broadcasting Station, Baghdad. – L.P.: Ag. Dir. Gen. Brig M. M. Ali.

HOME SERVICE

HNA 908 kc/s 330.00 m 200 kW
HNC 3297 – 91.00 – 16 –

Arabic: 03.55–07.00, 09.55–12.00, 13.25–21.00 on 908/11705 kc/s (at 09.55–12.00 also 3297 kc/s). – Kurdish: 12.55–17.00 on 3297 kc/s. ANN.: "Huna Baghdad" (Here is Baghdad). – INT.-SIG.: Soft chirps of a mechanical nightingale. – V. by QSL-card. – F.PL.: Two 100 kW sw-tr.'s 1958. See. corrections last page.

★ ISRAEL ★

L.T.: GMT + 2 h. (Su. GMT + 3 h.). – L.: Hebrew, Arabic. Rcvrs.: 300.000.

ISRAEL BROADCASTING SERVICE (Go.)

ADDR.: Kol Israel: P.O. Box 1082, Jerusalem. – Cable: "Kol Israel". L.P.: Broadcasting: Dir. Gen.: Prime Ministers Office: T. Kollek. Dir. of Israel Broadc. Service: H. Zinder. Deputy Dir.: H. Givton. Dir. Prgr.: Dr. Y. Spira. Dir. News: Z. M. Kenner. Arabic Prgr.: S. Bar-Haim. Engineering: Dir. Gen.: Ministry of Posts: H. Ben-Menachem. Dir. Engineering Sce., Radio, Transmissions: M. Bermain.

STATIONS:

	kc/s	m	kW	Call	Prgr.
Tel Aviv	575	521.7	50	4XB36	A
–	652	460	0.8	4XB47	B
Jerusalem	737	407 1	2.5	4XB34	B
Haifa	1025	292 7	0.5	4XB48	B
–	1205	249	0.5	4XB35	A
Tel Aviv	1277	234.9	1	4XB53	C
Haifa	1336	224.5	1	4XB42	C
Jerusalem	1390	215.8	1	4XB43	C
Tel Aviv	2442	122.9	0.5	4XB51	C
–	6190	48.47	1	4XB44	C
–	6830	43.92	2.5	4XB21	A+B
–	9009	33.3	50	4XB31	to C. Europe & Africa d.

FM: Jerusalem 0.25 kW: 88.3 mc/s 4XB37 – 89.3 mc/s 4XB32 – 90.3 mc/s 4XB39.

FM: Tel Aviv 0.25 kW: 93.3 mc/s 4XB39 – 94.3 mc/s 4XB52.

HOME SERVICE

PROGRAMME A: KOL ISRAEL

Hebrew:

575 kc/s: D. exc. Sat.: 04.30–05.30, 10.00–11.45, 14.00–16.00, 17.00–21.00. Sat.: 06.00–11.45, 13.45–16.00, 17.00–22.00.

1205 kc/s: 04.00–04.30 (Sun., Wed., Fri), D. exc. Sat.: 04.30–05.30, 10.00–13.45, 14.00–16.00, 17.00–21.00. Sat.: 06.00–11.45, 13.15–16.00, 17.00–22.00.

N. Wrp.: D.: 04.35 (exc. Sat.), 05.00 (exc. Sat.), 06.30 (Sat. only), 11.30, 15.00 (exc. Sat.), 17.00, 19.00, 21.00. – Prgr. Preview: D. 17.15. Arabic on 575/1205/6830 kc/s: D.: 05.30–06.30, 12.15–13.30 (Sat. 13.15), 16.00–17.00

PROGRAMME B: KOL ISRAEL

N. on 652.1/737/1025/6830 kc/s: English: 11.45–12.00, 20.00–20.15. French: 12.00–12.15, 19.30–20.00. Hebrew for Immigrants: 19.15–19.30. Music: 16.00–17.00. Moroccan Arabic: Mo., Thurs., Sat.: 18.30–18.45. Yiddish: 17.00–17.30 (exc. 6830 kc/s). Ladino: 17.30–18.00. Rumanian: 18.00–18.15. Hungarian: 18.15–18.30.

PROGRAMME C: GALEI TZAHAL (Forces Broadc. Sce.)

1277/1336.5/2442/6190 kc/s: D. 16.30–20.00 (Sat. 20.30).

FOREIGN SERVICE: KOL ISRAEL: To Central Europe: 9009 kc/s 17.30–19.15, 20.00–20.15, 20.15–20.30. – N.: Hebrew: 19.00, 20.15. English: 20.00.

Prgr. in Ladino, Hungarian, Rumanian, Moroccan Arabic as Prgr. B. ANN.: Program A and B: Hebrew: "Kol Israel". Yiddish: "Kol Israel Laole". Arabic: "Hunna Muhattat Israil". English: "Kol Israel. This is the Voice of Israel". French: "Ici Kol Israel La Voix d'Israel". Hungarian: "Kol Israel – It az Israeli Radio". Rumanian: "Aci e Postul de Radio, Kol Israel". Ladino: "Aqui Kol Israel – La Boz de Israel". Moroccan Arabic: "Bella el Mograbia if bit el roliun Hadachmi".

INT.-SIG.: Program A & B: Traditional Bible cantellation played on obo strings.

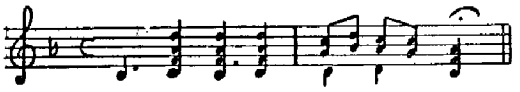
OVERSEAS BROADCASTING SERVICE OF THE WORLD ZIONIST ORGANIZATION – KOL ZION LAGOLA –

ADDR.: The Voice of Zion, P.O. Box 754, Jerusalem.

STATION: Tel Aviv 4XB31 9009 kc/s 33.3 m 50 kW.

English to S. Africa: 16.30–17.15. – To Central Europe: 19.15–20.00, 20.30–22.30, 23.00–23.45. English: 21.45–22.30. French: 20.30–21.15 (Sat. 21.00). Italian: 21.00–21.15 (Sat. only). – Hebrew: 21.15–21.30. Yiddish: 19.15–20.00. Portuguese: 23.00–23.45.

ANN.: Hebrew: "Kol Zion Lagola". – **English:** "Kol Zion Lagola – The Voice of Zion". – **French:** "Ici Jerusalem – Kol Zion Lagola – La Voix d'Israel". – **Yiddish:** "Do is Kol Zion Lagola Fon Yerusalaim" – **Portuguese:** "Aqui Jerusalem, la Voz de Tzion".
Full information about times of transmission in the summer is given in the weekly programme notes, which are published 6 weeks in advance and sent out by airmail.
INT.-SIG.: First phrase from the second half of the national Anthem "Hatikva".



V. by QSL-card and letter. – **F.PL.:** A new 100 kW transmitter in operation 1958.

★ JORDAN ★

L.T.: GMT + 2 h. – **L.:** Arabic, English. – **Rcvrs.:** 20.000.

HASHEMITE JORDAN BROADCASTING SERVICE (Go.)
ADDR.: Ramallah, Jordan. – Controller: T.N. Khalidi.
HOME SCE.: Jerusalem 677 kc/s 443 m 20 kW. – 6521 kc/s 1 kW.
Arabic: 04.30–06.30, 11.30–14.00, 17.30–21.00. **English:** 16.00–17.30.
Amman: 1449 kc/s 207 m 5 kW. – 6045 kc/s 49.63 m 5 kW
Arabic: 06.30–08.00, 14.00–18.00.
ANN.: E.: "This is the Hashemite Jordan Broadcasting Service calling from Jerusalem" or "This is Jerusalem calling". – **Arabic:** "Dar ul Ithaa al-Urduniya al Hashemiya fi Quds" or "Huna hl Quds".
V. by QSL-card.

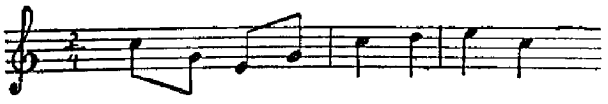
★ KUWAIT ★

L.T.: GMT + 3 h. – **L.:** Arabic.
R. KUWAIT: **ADDR.:** Security Department, Kuwait.
L.P.: Chief of Public Security.
HOME SCE.: 5000 kc/s 60.00 m 1 kW: **D.:** 17.00–20.00, 05.00–07.00 (Fri.).
ANN.: "Huna Kuwait, Mahattat Kuwaitia". – **V.** by letter.

★ LEBANON ★

L.T.: GMT+2 h. – **L.:** Arabic, French, English. – **Rcvrs.:** 71.000.

LEBANESE BROADCASTING STATION (Go.)
ADDR.: Radio Liban, Ministere de l'Information, Beyrouth.
Cable: "Radioliban". – **L.P.:** Dir. Gen.: A. El-Assas. Dep. Dir. Gen.: N. Lian. Controller Gen.: A. Jarrar. Dir. Press Dept.: F. Abi Chahla. Dir. Tec.: J. Rouhayem.
HOME SCE.: 836kc/s 359m 4kW – 8036 kc/s 37.34m 2kW.
Arabic on 836/8036 kc/s: 04.30 (Sun. 05.00)–05.30, 05.45–07.30. (Sun. 09.00, Fri. 10.00), 11.00–13.30 (at 11.30–12.30 on m.w. only), 14.30–15.00 (exc. Thurs., Sat.), 16.00–22.00 (at 19.00–20.15 on m.w. only). – **N.:** 05.00, 07.25, 11.00, 18.00, 20.15, 21.50. – **Wrp.:** 18.15.
French: D.: 05.30–05.45 on 836/8036kc/s. 11.30–12.30, 19.00–20.15 on 8036 kc/s. Sun. also 10.00–11.00 on 836/8036 kc/s. – **N.:** 05.30, 11.30, 19.00. – **Request Prgr.:** Sun. 10.00, Sat. 19.15. – **Wrp.:** 05.45.
English: D.: 15.00–16.00 on 836/8036 kc/s. – **N.:** 15.00. – **"English by Radio"** (English/Arabic): Thurs. 15.45.
ANN.: Arabic: "Houna Beyrouth, Dar al' Iza'a al Loubnaniat". **F.:** "Ici Beyrouth, Station de Radiodiffusion Libanaise". **E.:** "This is the English programme of the Lebanese Broadcasting Station in Beirut". – **INT.-SIG.:** For medium and short wave:



V. by QSL-card. – **F.PL.:** A m.w. & s.w. st. 100 kW each. – **PUB.:** Prgr. schedule in Arabic free on request.

LEBANESE ARMED FORCES RADIO STATION (Military)
ADDR.: Lebanese Army Signal Corps, Beirouth.
STATION: 6500 kc/s 46.15 m 0.35 kW.
HOME SCE.: Tues., Sat. 14.30–15.00 relay of Armed Forces Prgr. from Lebanese Broadcasting Station. – **V.** by QSL-card.

★ SAUDI ARABIA ★

L.T.: GMT+3 h. – **L.:** Arabic. – **Rcvrs.:** 16.000.

SAUDI ARABIAN BROADCASTING (Go.)
ADDE.: General Directorate of Press Information and Broadcasting. Djeddah. – **L.P.:** Dir. Gen.: H. E. Sheikh Abdulla Bilkhair. Prgr. Dir.: Saadi Basbous. Dir. Pres.: Seif el Din Ashour. Dir. Tec.: A. J. Andreou.
HOME SERVICE: 03.00–04.30, 11.00–12.30, 16.00–20.00.
725 kc/s 413 m 50 kW – 6100 kc/s 49.18 m 10 kW.
FOREIGN SERVICE: 11950 kc/s 25.10 m 3 kW d.
Urdu: 13.00–13.40 (to Pakistan). – **Indonesian:** 14.00–14.40
ANN.: Home Sce.: "Huna Macca, Dar el Izaa el Arabiyeh el Seoudiyeh". **Foreign Sce.:** "Disini Mecca" (Indonesian). "Markaz nashr iza'a Macca muazamah" (Urdu). – **INT.-SIG.:** Call to prayer (az'an) played on flute. – **V.** by letter. – **F.PL.:** 1959: Djeddah 100 kW, 50 kW s.w.d. Riyadh 50 kW m.w. 200 kW s.w.d. – **PUB.:** Monthly magazine in Arabic.

★ SYRIA ★

L.T.: GMT+2 h. – **L.:** French. – **Rcvrs.:** 100.000.

~~SYRIAN~~ BROADCASTING SERVICE (Go.)
ADDR.: Radiodiffusion Syrienne, Rue de la Victoire, Damascus.
STATIONS:

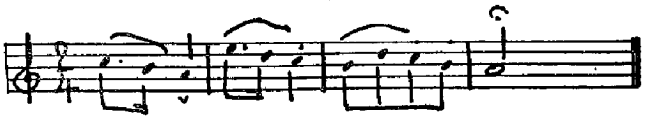
602 kc/s	498.20 m	2 kW.		9555 kc/s	31.40 m	7.5 kW	
665 –	451.20 –	50 –		15165 –	19.78 –	20 –	
719 –	417.20 –	2 –		17850 –	16.81 –	20 –	
746 –	402.00 –	20 –		17865 –	16.80 –	20 –	
6165 –	48.66 –	20 –		21560 –	13.91 –	20 –	
7145 –	41.99 –	20 –					

HOME SERVICE:
In Arabic: 04.00–07.00 on 665, 6165, 7145 kc/s. 07.00–07.30 on 602 kc/s 11.30–13.00 on 665 ,746, 6165, 7145 kc/s. 15.00–19.00 on 7145/6165 kc/s. 15.00–22.00 on 746 kc/s. 19.30–20.00 on 9555 kc/s.
In French, English: 05.30–06.30, 08.30–12.30, 13.00–19.30 on 602, 719, 9555 kc/s (14.00–15.00 not s.w.) – **French N. and Music:** 05.30, 06.00, 08.30, 12.00, 17.30, 18.00. – **English:** 05.45, 11.15, 17.45.
FOREIGN SERVICE:
To Eu. in F., E. on 15165 kc/s: 19.30–20.15 **French**, 20.15–20.30 **English**. To N.Af. in **Arabic** on 17850, 21560 kc/s: 13.00–14.00.
To **Israel in Hebrew** on 665, 746, 9555 kc/s: 14.00–15.00.
To **So.,C.Am.** in **Arabic, Spanish, Portuguese:** on 15165, 17865 kc/s: 00.00–00.05 (Arabic, Sp.), 00.05–01.00 (Arabic), 01.00–02.00 (Sp.).
ANN.: Arabic: "Houna Dimackh". **E.:** "This is Damascus Calling". **F.:** "Ici Damas". **Sp.:** "Aqui Damasco". **Hebrew:** "Kol Damasseh".
V. by QSL-card and letter.

★ TURKEY ★

L.T.: GMT+2 h. – **L.:** Turkish. – **Rcvrs.:** 1.300.000.

RADIO ANKARA (Go.)
ADDR.: Office: Turkish Press, Broadcasting and Tourist Dept., Ankara. – **Studios:** Radyoevi, Ankara. – Radyoevi, Istanbul, Turkey.
Cable: Basin-Yayin Ankara.
L.P.: Dir. Gen.: Dr. Halim Alyot, Asst. Dir. Gen.: M. M. Bekman. Dir. Radio Branch: R. A. Sevengil, Technical Adviser: M. Eke. Dir. R. Ankara: I. Ege. Dir. R. Istanbul: N. Atlig.
HOME SERVICE:
R. Ankara TAR 182 kc/s 1648 m 120 kW
R. Istanbul TAW 701 – 428 – 150 –
R. Ankara: 04.28–14.00, 14.58–22.00. – **Istanbul:** 10.27–22.00.
N., Wrp.: On 182 kc/s: 05.45, 11.00, 17.00, 18.15, 20.45 – On 701 kc/s: 11.45, 17.45, 21.15. –
ANN.: "Burasi Ankara" (This is Ankara), or "Burasi Istanbul Radyosu" (This is Radio Istanbul).
INT.-SIG.: Ankara:



Istanbul: An old Turkish folk song "Usküdara gider iken":

FOREIGN SERVICE:

Ankara I 20 kW

*)TAN	6000 kc/s	50.00 m	
*)TAM	7240 –	41.44 –	
TAP	9465 –	31.70 –	
*)TAK	11760 –	25.51 –	
TAQ	15195 –	19.74 –	
*)TAD	17720 –	16.93 –	

*) inactive.

Ankara II 100 kW

*)TAL4	7140 kc/s	42.02 m
TAS	7285 –	41.18 –
TAT	9515 –	31.53 –
*)TAO	11880 –	25.25 –
TAU	15160 –	19.79 –
*)TAL3	15220 –	19.71 –
TAV	17820 –	16.84 –
*)TAX	21660 –	13.85 –

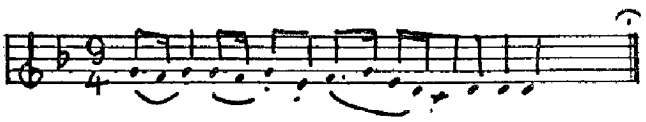
DAILY PROGRAMMES

		Target areas	Nov./Apr. ks/c	May/Oct. kc/s
Arabic	06.00-06.30	M.E.	9465	9465
	13.00-13.30	M.E.	9465	9465
	16.30-17.00	M.E.	9465	9465
Bulgarian	18.00-18.15	Eu.	7285/9465	7285/9465
English	13.30-14.15*)	S.Ea.As.	17820	17820
	18.15-18.30****)		7285/9465	9465
	21.00-21.45*)	W.Eu.	7285/9465	9465/15160
	23.15-23.45*)	N.Am.	9515	9515
French	20.15-21.00	Eu.	7285	15160
German	19.30-20.00	Eu.	7285	15160
Greek	17.15-17.45	Eu.	7285/9465	7285/9465
Hungarian	19.00-19.15	Eu.	7285/9465	9465/15160
Italian	19.30-20.00	Eu.	9465	9465
Persian	16.00-16.30	Iran	9465	9465
Polish	19.15-19.30	Eu.	7285/9465	9465/15160
Pushtu	15.00-15.15	Afg.	9515	17820
Rumanian	17.45-18.00	Eu.	7285/9465	7285/9465
Serbo-Croat	18.30-19.00	Eu.	7285/9465	9465/15160
Spanish	22.30-23.00	Eu./S.Am.	9515	9515
Turkish	11.00-11.30	Korea	17820	15195/17820
	11.00-12.00	H.S.	15195	15195
	17.00-17.15**)	H.S.	7285/9465	7285/9465
	20.00-20.45***)		9465	9465
Urdu	14.30-15.00	So.As.	9515	17820

*) Mbg. every Sun. **) N. ***) Turkish Music. ****) Request Prgr.

ANN.: "Burasi Türkiye Radyo Yayin Postalari Kisa Dalga" or "Ankara Radyosu"("This is the Turkish Broadc. Sces. S.W.Ankara R.")

INT.-SIG.: An old Turkish dance-tune "Sari Zeybek".



V. by QSL-card. – PUB.: Weekly prgr. for Ankara and Istanbul.

RADIO IZMIR, Izmir.
TAZ 6600 kc/s 45.45 m 0.5 kW: D. 14.00–21.00.

TECHNICAL UNIVERSITY OF ISTANBUL (Go.).
ADDR.: Teknik Üniversite, Elektrik Fakültesi. Yüksek Frekans Teknigi Laboratuvari, Istanbul.

HOME SERVICE: I.T.U. = Istanbul Teknik Üniversitesi.
6250 kc/s 48.00 m 1 kW 18.15–20.00 (exc. Sat.)
7030 – 42.67 – 0.5 – 18.15–20.00 (exc. Sat.)
Frequencies are shifted slightly if interference occurs.

PRGR.: National (Turkish) and Classical music. Turkish music: Sun., Tues., Thurs. 18.15–18.45.

ANN.: Turkish: "Burasi Istanbul Teknik Üniversitesi Radyosu". E.: "Here is the Radio Station of the Technical University of Istanbul". – INT.-SIG.: "Turkish March" by Mozart. – V. by letter. Return postage required.

TECHNICAL SCHOOL OF ISTANBUL
ADDR.: The Technical School, Radio Laboratory, Yildiz, Istanbul.
STATION: TAO5 7143 kc/s 42.00 m 0.1 kW: Sun. 08.00–09.00. D.: 16.00–17.00. Western and Turkish recordings.

ISTANBUL UNIVERSITY RADIO
ADDR.: Istanbul Ten Fakültesi Radyosu, Istanbul.
STATION: TAO 7430 kc/s 40.38 m (inactive).

ANKARA STATE POLICE RADIO
ADDR.: Türkiye Police Radyosu Emmiyet Genel Müdürlügü, Ankara.
STATION: 6300 kc/s 47.62 m 1 kW: 07.58–09.00, 14.00–15.00. Prgr. consist of popular Western Recordings & Turkish Music and advice about traffic to drivers.

ANKARA BOY'S TECHNICAL TEACHERS SCHOOL
ADDR.: Ankara Erlek Teknik Ogretmen Okulu, Radyo Servici, Ankara. – STATION: 6440 kc/s 46.50 m 1 kW: 05.57–07.00. Music.

IZMIR MITHAT PASCHA BOYS TECHNICAL INSTITUTE RADIO
ADDR.: Izmir Mithat Pasa Erlek Sonat Enstitüsü, Deneme Radyosu, Karantina, Izmir. – STATION: 7000 kc/s 42.85 m 0.4 kW: 08.28 (Sun. 07.58)–10.00. Music.

★ YEMEN ★

L.T.: GMT + 3 h. – L.: Arabic.

RADIO SANAAH (Go.) 5985 kc/s 50.13 m 1 kW: 04.00–05.00, 17.00–18.00.
ANN.: "Huna Sanaah".

★ BORNEO, NORTH (British) ★

L.T.: GMT + 8 h. – L.:English, Chinese, Malay. – Rcvrs.: 8000

NORTH BORNEO BROADCASTING SERVICE (Go.)
ADDR.: Radio Sabah, Jesselton. – Cable: Infof. – L.P.: Inf. Officer: R.J.Brooks.

HOME SCE.: 7180 kc/s 41.78 m 5 kW: 04.15 (Sat. 03.15)–05.45, 09.30–12.00. – English: D.: 04.45–05.15, 11.00–12.00. Chinese: D.: 05.15–05.45, 09.30–10.15. Malay: D.: 04.15–04.45, 10.15–11.00.
ANN.: "This is Radio Sabah operating on the 41 metre band from Jesselton N. Borneo". – INT.-SIG.: Open and close with sound of N. Borneo Native Gongs. – V. by QSL-card or letter. See corrections last page.

★ BURMA ★

L.T.: GMT + 6½ h. – L.: English, Burmese, Hindustani. – Rcvrs.: 25597.

BURMA BROADCASTING SERVICE (Go.)
ADDR.: No. 28, Windermere Crescent, Rangoon.
L.P.: Dir. Broadc.: U. Khin Zaw, B.A., F.L.A. – Dep. Dir. Broadc.: U. Pe Thaw, B.A., B.L. – Chief Eng.: U. Win Mg, MIRE.

HOME SCE.: 955 kc/s 314 m – 11765 kc/s 25.50 m 50 kW 01.00–02.30, 05.30–07.30, 12.00–15.15.

BURMESE: N.: 01.30, 07.15, 13.15. – Wrp.: 13.30. – Burmese Music: 01.35, 13.30. – Mbg.: 02.00, 12.35, 13.00.

ENGLISH: N.: 02.25, 06.30, 15.00. – Wrp.: 15.05. – HINDUSTANI: 02.15–02.30.
ANN.: E.: "This is Myanma Athan, the Burma Broadcasting Service". INT.-SIG.: Burmese Prgr.: Signature tune: Burmese oboe, gongs and drums. English Prgr.: Signature tune: Eric Coates' "Calling all Workers". Before news: Mozart's "Minuetto Allegretto in E flat". After news: "Shepherds Dance" from Beethoven's Pastoral Symphony. – V. by QSL-card. – F.PL.: The expanded internal and external sce's using a 50 kW m.w.-tr. and three 50 kW s.w.-tr.s to begin in 1958.

★ CAMBODIA ★

L.T.: GMT + 7 h. – L.: French, Cambodian. – Rcvrs.: 7000.

RADIO CAMBODGE (Go.).
ADDR.: No. 28 Avenue Preah Moha Ksatéyany Kassamak, Phnom-Penh. – L.P.: Dir.: Ung-Hong-Sath.

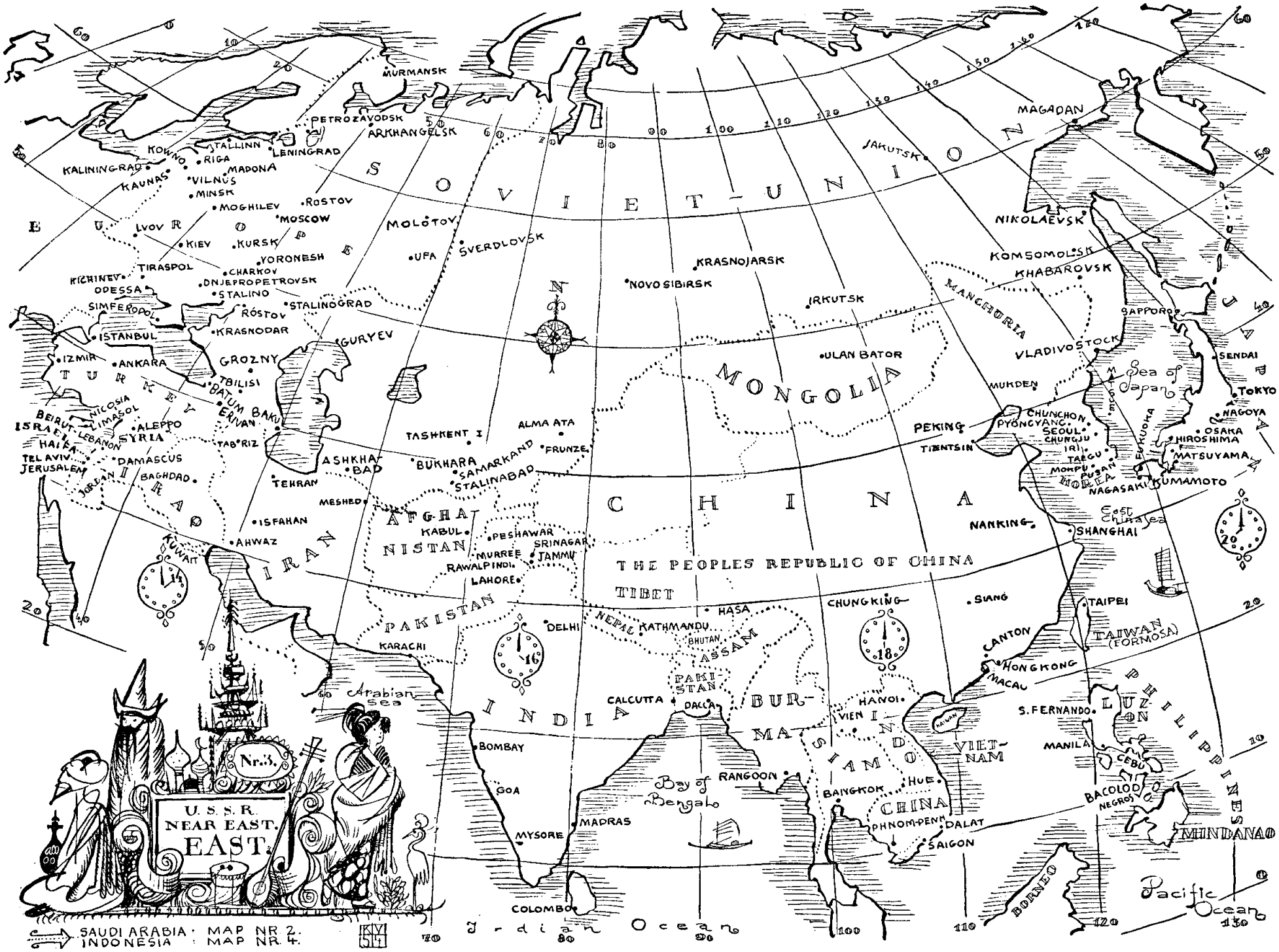
HOME SCE.: 22.30–01.30 (Sun. 02.00), 04.00–06.00, 10.00(Sun. 11.00–14.00.
1410 kc/s 213 m 10 kW 6090 kc/s 49.26 m 10 kW.
Nat. Music: 23.50, 00.20, 04.00, 10.00, 11.30. – N. in Cambodian: 23.20, 04.35, 10.45, 12.30. – N. in French: 23.35, 05.30. – L.L.: 12.15–12.30 (English: Mo., Tues., Thurs., Fri., Sun.; French: Wed., Sat.). – Press Review: 11.45.
ANN.: "Ici Phom-Penh, La Voix du Cambodge, Station de Radiodiffusion Nationale Khmère émettant sur 6090 kc/s dans le bande de 49 metres ainsi que sur 213 mètres (1410 kc/s)".

★ CEYLON ★

L.T.: GMT + 5½ h. – L.: English, Sinhalese, Tamil. – Rcvrs.: 178.120

RADIO CEYLON (Go.,Comm.)
ADDR.: Dept. of Broadcasting, P.O. Box 574, Colombo 7. – Cable: "Radceylon".
L.P.: Dir. Gen.: C.J.Serasingha. Dir. Tec.: N.S.Wickremasinghe. Dir. Prgr.: S.B.Senanayake. Dir. Comm. Service: C.R.Dodd. Chief Adm. Officer: D.Samarakone. Editor, N. & Pub.: E.K.Perera.

STATIONS: (NS=Nat. Sce. Sinhalese; NT=Nat. Sce. Tamil; NE=Nat. Sce. English; C=Comm. Sce.)



U.S.S.R.
NEAR EAST.
EAST.
Nr. 3.
SAUDI ARABIA : MAP NR. 2.
INDONESIA : MAP NR. 4.
SOVIET-UNION
EUROPE
TURKEY
IRAQ
IRAN
AFGHANISTAN
PAKISTAN
INDIA
MONGOLIA
CHINA
THE PEOPLES REPUBLIC OF CHINA
TIBET
NEPAL
BHUTAN
ASSAM
BURMA
SIAM
INDO CHINA
VIETNAM
MANCHURIA
KOREA
JAPAN
PHILIPPINES
LUZON
MINDANAO
BORNEO
Arabian Sea
Bay of Bengal
Indian Ocean
Pacific Ocean
Sea of Japan
East China Sea
MURMANSK
PETROZAVODSK
ARKHANGELSK
LENINGRAD
TALLINN
RIGA
KOWNO
KALININGRAD
KAUNAS
VILNUS
MADONA
MINSK
MOGHILEV
ROSTOV
MOSCOW
LVOV
KIEV
KURSK
YORONESH
CHARKOV
DNJEPROPETROVSK
STALINO
TIRASPOL
KICHINEV
ODESSA
SIMFEROPOL
ISTANBUL
IZMIR
ANKARA
KRASNODAR
GROZNY
TBILISI
BATUM
BAKU
ERIVAN
STALINOGRAD
GURYEV
MOLOTOV
UFA
SVERDLOVSK
KRASNOJARSK
NOVOSIBIRSK
IRKUTSK
ULAN BATOR
JAKUTSK
MAGADAN
NIKOLAEVSK
KOMSOMOLSK
KHABAROVSK
VLADIVOSTOCK
SAPPORO
SENDAI
TOKYO
NAGOYA
OSAKA
HIROSHIMA
MATSUYAMA
KUMAMOTO
NAGASAKI
FUKUOKA
MUKDEN
PEKING
TIENTSIN
CHUNCHON
PYONGYANG
SEOUL
CHUNGJU
IRI
TAEGU
MOKPU
PUSAN
NANKING
SHANGHAI
TAIPEI
TAIWAN (FORMOSA)
CANTON
HONGKONG
MACAU
S. FERNANDO
MANILA
CEBU
BACOLOD
NEGROS
HANOI
VIEN
HUE
BANGKOK
PHNOM-PENH
DALAT
SAIGON
RANGOON
CALCUTTA
DACCA
HASA
KATHMANDU
DELHI
KARACHI
BOMBAY
GOA
MYSORE
MADRAS
COLOMBO
TASHKENT I
ALMA ATA
FRUNZE
BUKHARA
SAMARKAND
STALINABAD
ASHKHABAD
TEHRAN
MESHED
ISFAHAN
AHWAZ
KUWAIT
KABUL
PESHAWAR
SRINAGAR
MURREE
JAMMU
RAWALPINDI
LAHORE
NICOSIA
LIMASOL
BEIRUT
LEBANON
ALEPPO
SYRIA
HAIFA
TEL AVIV
JERUSALEM
DAMASCUS
JORDAN
BAGHDAD
TABRIZ

kc/s	m	kW		kc/s	m	kW	
640	469.0	0.25	C	7110	42.19	35	C
700	428.0	15	NS	7190	41.72	35	C
870	344.8	0.25	NT	7240	41.44	7.5	NE,C
920	326.0	1	NE,C	7300	41.09	7.5	NT
4870	61.60	7.5	C	9520	31.51	35	C
4900	61.22	10	NS	11835	25.35	35	C
4970	60.36	7.5	NT	11875	25.26	35	C
5020	59.76	1	NE,C	15120	19.84	35	C
6004	49.95	7.5	C	15265	19.65	35	C
6095	49.22	10	NS	17820	16.84	35	C

NATIONAL SERVICE

ENGLISH: 920/5020 kc: D. 12.00–17.00 – 920/7240 kc: Sun. 04.30–07.30. – N. & Commentary, Wrp.: W.: 12.30, 20.45. Sun. 20.45.
SINHALESE: 700/6095 kc: 01.15–03.00, 06.30–07.30 (Sun. 01.30–08.30) – 700/4900 kc: 11.30–17.00.
TAMIL: 870/7300 kc: 01.30–03.00, 06.30–07.30. Sun. 01.30–04.30, 05.30–08.00 – 870/4970 kc: 12.00–17.00.
ANN.: E.: "This is the National Service of Radio Ceylon". – **Tamil:** "Illankai Vanoli-Thesiya Oliparappu". – **Sinhalese:** "Me Lanka Guvanviduliye Swadeshiya Pracharayayi". – **INT.-SIG.:** All three services open with National Drums ("Magul Bera") and close with National Anthem ("Namo Namo Matha"). – **V.** by letter.

COMMERCIAL SERVICE

To CEYLON in English, Sinhalese, Tamil, Hindi:
English: 920/7240 kc/s: 01.30–04.30, Sun. also 07.30–11.30 – 640/6004 kc/s: 07.30–09.30 – 640/4870 kc/s: 11.30–17.30. N.: (BBC) 02.00, 13.00. – **Sinhalese:** 640/6004 kc/s: 01.30–04.30, 06.30–07.30 – 920/7240 kc/s: 07.30–10.30 (exc.Sat./Sun.). – **Tamil:** 640/6004 kc/s: 04.30–05.30 – 640/4870 kc/s: 07.30–11.30. – **Hindi:** 640/6004 kc/s: 05.30–06.30.
To ASIA in English, Hindi, Tamil:
English: 7190/15265 kc/s: 01.30–04.30 (Sun. 08.30) – 6004/9520 kc/s: 11.30–17.30. N.: (BBC) D.: 02.00, 13.00. **Home N. from Ceylon:** D. 12.45. – **Hindi:** 15120 kc/s: 01.30–04.30 (Sun. 07.30) – 7190 kc/s: 13.30–17.30. – **Tamil:** 7190 kc/s: 11.00 (Sun. 10.30)–13.30.
To AFRICA in English: 17820 kc/s: 05.15–06.30 (exc. Sun.)
To So. Ea. ASIA in English: 17820 kc/s: 09.15–11.15.
ANN.: E.: "This is the Commercial Service of R. Ceylon". – **Sinhalese:** "Me Lauka Velanda Guwan Viduli Sewayayi". – **Tamil:** "Illangai Vanoli Varthaga Olipparappu". – **Hindi:** "Yeh R. Ceylon Ka Vyapaar Vibhag Hai". – **INT.-SIG.:** Opens & closes with the theme "Strike up the Band". – **V.** by QSL-card.

VOICE OF AMERICA RADIO STATION IN CEYLON

ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS: Short Wave: Colombo 35 kW 13.30–21.15.
7110 kc/s 42.19 m 15120 kc/s 19.84 m 17800 kc/s 16.85 m
11875 – 25.26 – 15230 – 19.70 –
DAILY PRGRS.:
To India & Pakistan: 7110 kc/s 42.19 m 11875 kc/s 25.26 m.
13.30–14.00 Bengali 15.00–15.30 Hindi 16.30–17.00 English
14.00–14.30 [1]) 15.30–16.00 Urdu 17.00–17.30 Hindi
14.30–15.00 English 16.00–16.30 [1]) 17.30–18.00 Urdu
[1]) Sun., Mo., Wed., Fri.: Tamil. Tues.: Telegu. Thurs.: Malayam. Sat.: Gujarati.
To Africa: 15230 kc/s 19.70 m 17800 kc/s 16.85 m.
18.30–19.00 Hindi 19.00–21.00 Music USA 21.00–21.15 English
ToNear & Middle East: 15120 kc/s 19.84 m: 19.00–21.00 Music USA.
ANN.: "This is Colombo relaying the Voice of America."
Ver. by QSL-card. No return postage required.

★ THE PEOPLES REPUBLIC OF CHINA ★

L.T.: GMT+8 h. – **L.:** Chinese. – **Rcvrs.:** 1.800.000.

BROADCASTING ADMINISTRATION (Go.)

ADDR.: Broadcasting Administration, Outside Fu Hsing Men, Peking. – **L.P.:** Dir. Gen.: Mei I.

HOME SERVICE:

CENTRAL PEOPLE'S BROADCASTING STATION

Medium Waves: 20/150/300 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
560	535.7	700	428.6	900	333.3	1230	243.9
570	526.3	720	416.7	1020	294.1	1300	230.8
600	500.0	730	411.0	1030	291.1	1360	220.6
640	468.8	840	357.1	1090	275.2	1430	209.8
						1510	198.7

Short Waves: 15/120 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3915	76.63	5220	57.47	6225	48.19	7065	42.46
3960	75.76	5860	51.20	6790	44.18	7240	41.44
3985	75.28	5880	51.02	6810	44.05	7370	40.71
5030	59.64	6065	49.46	6890	43.54	7485	40.08
5125	58.54	6100	49.18	6995	42.89	7500	40.00
7620	39.37	9860	30.43	11835	25.35	15480	19.38
7770	38.61	9972	30.08	11845	25.33	15590	19.24
9064	33.09	10260	29.24	11925	25.16	15610	19.22
9170	32.72	11100	27.03	11935	25.14	15710	19.10
9340	32.12	11455	26.19	15030	19.96	15880	18.89
9390	31.95	11515	26.05	15175	19.77	17450	17.19
9715	30.88	11600	25.86	15240	19.69	17490	17.15
9735	30.82	11630	25.79	15390	19.49	17533	17.11
9765	30.72	11675	25.70	15445	19.43	17605	17.04

FIRST PRGR.: 20/150/300 kW on 560, 570, 640, 700, 840, 1020, 1030 kc/s and in 49–41–31–25 m.b.
21.50–02.30 (also 76 m.b.) – 03.25–07.00 (also 19 m.b.) – 08.55–15.30 (also 76–19 m.b.).
N.: 22.00, 23.00, 04.00, 06.00 (dictation), 10.00, 12,00. 14.30.
SECOND PRGR.: 20/150/300 kW on 600, 720, 730 kc/s and in 76–49–31 m.b.
21.55–05.30 (also in 19 m.b.) – 07.55–15.05 (also in 25 m.b.).
N.: 22.30, 23.30, 02.00, 04.30, 14.00, 15.00.
THIRD PRGR. (to the capital)
810 kc/s 370.4 m: 22.30–00.00, 06.40–08.40, 09.55–14.00
1350 – 222.2 –: 21.55–23.00, 01.15–02.40, 07.55–09.00
TO TAIWAN on 900, 1090, 1230, 1300, 1360, 1430, 1510, 1540 kc/s and in 31–25–19–16 m.b.
22.00–02.00. – 03.55–07.00 (exc. in 31–25 m.b.). – 09.55–16.00 (also in 41 m.b.).

TO NATIONAL MINORITIES:

Mongolian:	m.b.	Korean:	m.b.	Tibetan:	m.b.
04.30–05.00	416.7-31-25	04.30–05.00	294.1	05.30–06.00	19-16
10.30–11.00	49-31	11.30–12.00		11.00–11.30	
Uighur:	**m.b.**	**Chuang:**	**m.b.**		
06.30–07.00	19-16	11.30–12.00	25-19		
14.00–14.30	41-31				

LOCAL STATIONS:

Name	kc/s	Name	kc/s	Name	kc/s
Shanghai	800, 920, 1040, 1110, 1210, 1290, 1500	Tsitsihar	740	Honan	1460
Tientsin	790, 870, 1390	Inner Mongolia-A	960, 1420, 4068, 6825, 6974, 9090, 9492, 11040	Kwangtung	1060
Hopeh	1280	Paotow	670	Canton	660, 790
Shihkiachuang	1210	Inner Mongolia-B	1380	Hainan	950
Tangshan	1450	Kiangsu	680	Kwangsi	630, 1120
Shansi	1100	Nanking	1070	Szechuan	1220, 7225, 11000
Liaoning	218, 1240	Wusih	1400	Chengtu	750
Shenyang	690, 780	Chekiang	990	Chungking	1030, 1310, 810, 6925
Lushun-Dairen	830	Hangchow	1350	Kweichow	1000
Penki	1310	Wengchow	1450	Shensi	980
Fushun	850	Ningpo	650	Sian	690, 1370
Anshan	950	Fukien	880, 1470	Kansu	860, 1050, 7280, 7324
Chinchow	1410	Anhwei	940	Chinghai	1010, 1250, 6260, 6500, 9455, 9500
Fusin	1480	Shantung	1320	Sinkiang	740, 910, 4220, 4500, 6280, 7050, 7385, 9470, 10245
Antung	890	Tsingtao	850, 1490		
Kirin	580	Kiangsi	1160		
Changchun	1330	Hupeh	770		
Yenpien	930	Wuhan	1030, 1520		
Kirin (mun)	1390	Hunan	1260		
Heilungkiang	182, 910				
Harbin	660				

FOREIGN SERVICE

R. Peking: Medium Wave: 1020 kc/s 294.1 m
Short Waves: 120/240 kW

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6080	50.17	9585	31.30	11945	25.12	15370	19.52
5985	49.30	9665	31.04	11975	25.05	17680	16.97
7080	42.37	9700	30.93	15060	19.92	17745	16.91
7295	41.12	11650	25.75	15095	19.87	17835	16.82
9460	31.71	11805	25.41	15115	19.85	17860	16.80
9510	31.55	11820	25.38	15350	19.54		

TO EUROPE:

English	m.b.	Spanish	m.b.	Chinese	m.b.
19.30–20.00	41–31	20.30–21.00	41–31	19.00–19.30	41–31
21.30–22.00	41–31	22.00–22.30	41–31	21.00–21.30	41–31

TO N.EA. & N.AF.

English		Persian		Turkish	
19.00–19.30	41–31	14.45–15.15	31–25	17.15–17.45	41–31
		18.15–18.45	41–31	06.00–06.30	19–16
Chinese:					
17.45–18.15	41–31	20.00–20.30	41–31		

TO INDIA/PAKISTAN:
English
15.00–15.30 31–25 15.30–16.30 31–25 (dictation)

TO SO. EA. ASIA (Western Part):

Burmese		Cambodian		Laotian	
01.00–01.30	31–25	00.00–00.30	31–25	04.30–05.00	25–19
12.00–12.30	25–19	11.00–11.30	25–19	12.30–13.00	25–19

Thai		Cantonese		Chaochow	
00.30–01.00	31–25	23.00–23.30	31–25	14.00–14.30	25–19
11.30–12.00	25–19			23.30–24.00	31–25
13.30–14.00	25–19				
Chinese					
05.30–06.00	25–19	13.00–13.30	25–19		

TO SO. EA. ASIA (Eastern Part):

English		Indonesian		Vietnamese	
09.00–09.30	25–19	10.30–11.25	25–19	11.30–12.00	25–19
		14.00–14.45	25–19	13.30–14.00	25–19
				23.30–24.00	25–19

Amoy		Cantonese		Chinese	
12.30–13.00	25–19	10.00–10.30	25–19	05.30–06.00	25–19
23.00–23.30	25–19			13.00–13.30	25–19
Ke-chia					
00.00–00.30	25–19	09.30–10.00	25–19		

TO AUSTRALIA/N. ZEALAND:

English	
09.30–10.00	19–16

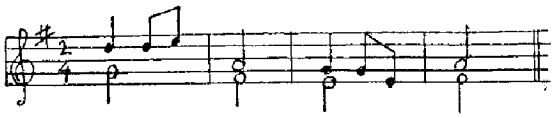
TO NO. EA. ASIA:

Japanese		Korean	
11.00–11.30	294.1–31–25	11.30–12.15	294.1–49–41
12.15–13.00	294.1–31–25	21.30–22.00	294.1–49
13.30–14.00	294.1–41–31		
21.00–21.30	294.1–49–41		

TO NO. AMERICA:

English	m.b.	Chinese	m.b.	Taishan	m.b.
03.00–03.30	19–16	03.30–04.00	19–16	02.30–03.00	19–16
		15.30–16.00	49–31	16.00–16.30	49–31

INT.-SIG.:



V. by QSL-card or letter.

★ GOA (Portuguese India) ★

L.T.: GMT+5½ h. – L.: Portuguese, English and Indian/Pakistan languages. – Rcvrs.: 30.000.

EMISSORA DE GOA (Go., Comm.)

ADDR.: Emissora de Goa, Cidade de Goa, Portuguese India.

L.P.: Pres.: J. A. de Oliveira Chaves. Dir. Tec.: V. A. G. Carvalho.

HOME SERVICE: 01.30–17.30.

557 kc/s 538.0 m 2.5/5/10 kW – 6025 kc/s 49.79 m 7.5 kW
4815 – 62.34 – 0.5 – – 9610 – 31.22 – 0.5/7.5 –

English: 06.30, 07.30, 09.30, 11.30, 12.30, 13.00, 15.00, 15.30. Portuguese: 05.30, 07.30, 11.30, 13.30.

ANN.: E.: "Radio Goa – Voice of Goa – Voice of Portugal". P.: "Emissora de Goa – Voz de Goa – Voz de Portugal". E. Comm. Service: "This is the Commercial Service of Radio Goa." – V. by letter.

★ HONG KONG (British) ★

L.T.: GMT+8 h. (Su.+ 9 h.). – L.: English, Chinese. – Rcvrs.: 62.396.

RADIO HONGKONG (Go.)

ADDR.: Mercury House, Hongkong. – Cable: Broadcast.

L.P.: Controller of Broadc.: D. E. Brooks. Eng. i/c Broadc.: W. A. Waters. Senior Prgr. Asst.: E. Section: T. D. Brinton. (Acting). Chi. Section: Chow Nai Yeung.

HOME SERVICE:

ENGLISH: ZBW 860 kc/s 349 m 2 kW.

Mo.-Fri.: 23.00–01.00, 04.30–06.00 09.30–15.30. Sat. 23.00–01.00, 04.30–15.30. Sun. 00.00–15.30.

Nat. Music: Sun. 13.30, Fri. 12.15. – N., Commentary: W. 23.15,00.00, 00.57, 05.15, 12.00 (BBC), 15.00 (Newsreel BBC). Sun. 01.00, 05.15, 12.00 (BBC). – Wrp.: W. 23.45, 23.58, 00.59, 05.14, 11.58, 14.58. Sun. 00.04, 00.58, 05.14, 11.58, 14.58. – Alternate Tues. 10.00–10.30 (French Half Hour): Alternate Thurs. 10.00–10.30 (Portuguese Half Hour).

CHINESE: ZEK 640 kc/s 468 m 2 kW – ZBW3 3940 kc/s 76.14 m 2.5 kW: 23.00–16.00.

Nat. Music: W.: 01.00, 03.30, 06.30, 12.15 (Tues., Wed., Thurs.), 13.45 (Tues., Thurs., Fri., Sat.). Sun. 23.30, 01.00, 04.00. – N. 00.00, 05.30, 10.00, 13.00 (BBC Kuoyu), 13.30 (BBC Cantonese). – Wrp.: 23.58, 05.28, 12.58, 15.30. – L.L.: English: Mo., Thurs, 10.30, 23.15 (Cantonese instruction); Tues. 10.30, 23.15, Fri. 10.30, Sat. 09.15 (Kuoyu instruction).

ANN.: E.: "This is Radio Hong Kong." – Chi.: "Nichi Hai Heung Gong Kwong Bor Din Toy." – V. by QSL-card. R. p. desirable.

"REDIFFUSION LTD: (Wired Broadc. Priv. Comm.)"

ADDR.: Rediffusion House, Hennessy Rd. & Arsenal St. P. O. Box 121, Hong Kong. – L.P.: Man. Dir. W. A. Whiting.

★ INDIA ★

L.T.: GMT + 5½ h. – L.: English, Indian dialects. – Rcvrs: 1.176.520.

ALL INDIA RADIO (Go.)

ADDR.: Directorate Gen., All India Radio, Broadcasting House, Parliament Street, New Delhi. – Cable: "Airgeneral".

L.P.: Dir. Gen.: J.C. Mathur I.C.S. Dep. Dir. Gen. Prgr.: B.P. Bhah. Adm.: P.V.R. Rao. Dir. Prgr.: R.M. Marathy. Dir. Tec.: B.V. Baliga. Dir. News Sce.: M. Sivaram. Dir. External Sce.: Miss M. Masani.

Medium Waves:

	kc/s	m	kW		kc/s	m	kW
North Regional				Kozhikode	680	441	1
Delhi A	890	337.1	50	Hyderabad	730	411.0	5
Delhi B	1070	280.4	20	Bangalore	610	491.8	50
Lucknow	760	394.7	50	**West Regional**			
Allahabad	980	306.1	50	Bombay A	1230	243.9	10
Patna	620	483.9	20	Bombay B	550	545.5	50
Jullundur	710	422.5	50	Nagpur	590	508.5	50
Jaipur	1120	267.9	1	Ahmedabad	850	352.9	50
Ajmer	500	600	20	Dharwar	740	405.4	1
Indore	650	461.5	20	Poona	800	375.0	5
South Regional				Rajkot	910	329.7	1
Madras A	940	319.1	20	**East Regional**			
Madras B	1420	211.3	20	Calcutta A	1000	300.0	10
Tiruchirapalli	770	389.6	5	Calcutta B	670	447.8	50
Vijayawada	840	357.1	20	Cuttack	1350	222.2	1
Triwandrum	660	454.5	5	Gauhati	780	384.6	10
Trichur	580	517.2	20				

Short Waves: Delhi VUD (Two 20 kW tr., three 100 kW tr.)

kc/s	m	kc/s	m	kc/s	m	kc/s	m
4960	60.48	11710	25.62	15290	19.62	17795	16.86
5990	50.08	11790	25.45	15310	19.60	17820	16.84
6040	49.67	11860	25.30	15315	19.59	17830	16.83
7105	42.22	11905	25.20	15325	19.58	17840	16.82
7290	41.15	11920	25.17	15480	19.38	17845	16.81
7295	41.12	12020	24.96	17705	16.94	17855	16.80
9505	31.56	15105	19.86	17720	16.93	17875	16.79
9600	31.25	15125	19.83	17725	16.93	21570	13.91
9605	31.23	15130	19.83	17730	16.92	21580	13.90
9630	31.15	15160	19.79	17735	16.92	21585	13.90
9675	31.01	15170	19.78	17760	16.89	21650	13.86
9720	30.86	15190	19.75	17780	16.87	21700	13.82
9850	30.46	15235	19.69	17790	16.86	21705	13.82

Simla (No. Reg. Sce.): 2.5kW: 4760kc 63.03m – 7170kc 41.84m.
Bhopal (No. Reg. Sce.): 0.25kW: 4940kc 60.73m 7150kc 41.96m.
Ranchi (No. Reg. Sce.): 0.25kW: 7160kc 41.90m.
Madras (So. Reg. Sce.): VUM10/100kW
6085kc/s 49.30m – 7260kc/s 41.32m – 9590kc/s 31.28m
Bombay (West Reg. Sce.): VUB – 10/100 kW
7240kc 41.44m – 9550kc 31.41m – 21650kc 13.86m – 21705kc 13.82m
Calcutta (Ea. Reg. Sce.):VUC – 0.25/10kW: 7210kc 41.61m – 9530kc 31.48m

HOME SERVICES

NORTH REG. SCE. (Gujerathi, Marathi, Kannada, Hindi, English):

Delhi A.	Sept./March m.b.	Delhi B.	Sept./March m.b.
01.00–03.30	337–41	12.00–13.00	31
01.00–02.15	41	14.30–17.30	60
02.30–03.30	31	01.00–03.30	280
03.30–06.00 (Sun.)	31	07.30–09.00	280
06.30–07.00	31	08.00–09.00	31
07.00–08.20	337	12.00–17.30	280
07.00–08.00	31	13.15–14.15	25
12.00–17.30	337	13.15–14.30	60

Lucknow: 01.00–03.30, 07.00–08.30, 11.30–17.00.
Allahabad: 01.00–03.30, 07.00–08.30, 11.30–17.00.
Patna: 01.00–03.30, 07.00–09.00, 11.30–17.00.
Jullundur: 01.00–03.30, 06.30–08.30, 12.30–17.00.
Jaipur and Ajmer: 01.00–03.00, 07.00–08.30, 12.30–16.30.
Indore: 01.30–03.30, 12.00–16.30.
Simla: 01.30–03.00 41 m.b., 12.00–15.45 63 m.b.
Bhopal: 01.30–03.00 41 m.b., 12.00–16.30 60 m.b.
Ranchi: 12.00–16.30 (Sun. also 03.00–04.30) 41 m.b.

SOUTH REG. SCE. (Tamil, Telugu, Kannada, Malayalam, English):

Madras A.	Sept./March m.b.	Madras B.	Sept./March m.b.
01.20–02.45	319	01.20–02.45	211–41
07.00–09.50	319	06.30–09.50	211–31
11.30–17.00	319	11.30–17.00	211–49

Tiruchirapalli: 01.30–03.00, 07.30–10.30, 12.00–16.30.
Vijayawada: 01.00–02.45, 07.00–09.50, 12.00–17.00.
Trivandrum and Trichur: 01.45–03.30, 07.00–08.00, 10.00–11.00, 12.00–16.30.
Hyderabad: 01.20–03.30, 07.00–08.30, 12.00–17.00.
Kozhikode: 01.45–03.30, 07.00–08.00, 12.00–16.30.

Bangalore: 01.30–03.00, 06.30–08.30, 12.30–17.30.

WEST REG. SCE. (Gujerathi, Marathi, Kannada Hindi, English):

Bombay A.	Sept./March m.b.	Bombay B.	Sept./March m.b.
01.00–03.30	244–41	14.15–17.30	41
06.30–09.00	244–31	01.00–03.30	545
12.00–17.30	244	06.30–09.00	545
12.00–14.00	31	12.00–17.30	545

Nagpur: 01.30–03.30, 07.00–08.30, 12.30–16.30.
Ahmedabad: 01.30–03.30, 07.00–08.30, 12.30–17.00. – **Dharwar:** 01.30–03.30, 12.30–17.00. – **Poona:** 01.30–03.30, 07.00–08.30, 12.00–17.00. – **Rajkot:** 01.30–03.30, 12.30–17.00.

EAST REG. SCE. (Bengali, Oriya, Assamese, Hindi, English):

Calcutta A.	Sept./March m.b.	Calcutta B.	Sept./March m.b.
01.30–03.30 (Sun.)	300–41	01.30–03.30	447–31
03.30–04.30 (Sun.)	300–31	03.30–04.30 (Sun.)	447–41
07.00–09.00	300–31	07.00–09.00	447–41
11.30–17.30	300	11.30–17.30	447
11.30–12.45	31	11.30–12.45	41
13.00–17.30	41	13.00–17.30	31

Gauhati A: 01.15–03.00, 07.30–08.30, 11.45–16.30 384 m.
Gauhati B: 01.15–03.00 42 m.b., 07.30–08.30 & 10.30–13.00 31 m.b. 13.15–16.30 41 m.b.
Cuttack: 01.15–03.30, 07.30–08.30, 12.00–16.30.

HOME NEWS in English:
02.30–02.45: 280, 41, 31, 25, 19, 16 m.b. (Delhi); 545, 41 m.b. (Bombay); 447, 31 m.b. (Calcutta); 211, 41 m.b. (Madras); Simal (41 m.b.), Bhopal (41 m.b.), Gauhati (384, 42 m.b.) and all m.w. st.
08.00–08.10 280, 31, 25, 19, 16 m.b. (Delhi); 545, 31 m.b. (Bombay); 447, 41 (Calcutta); 211, 31 m.b. (Madras).
12.30–12.35 280, 31, 25, 19, 16 m.b. (Delhi); 545, 31 m.b. (Bombay); 447, 41 m.b. (Calcutta); 211, 49 m.b. (Madras).
15.30–15.45 280, 49, 41, 31, 25, 19 m.b. (Delhi); 545, 41 m.b. (Bombay); 447, 300, 41, 31 m.b. (Calcutta); 211, 49 m.b. (Madras); Simla (63 m.b.), Bhopal (60 m.b.), Gauhati (384, 42 m.b.) and all m.w. st.

RADIO KASHMIR SRINAGAR A: 1490kc/s 201.3m 0.25kW.
In English, Kashmiri & Urdu: 02.00–04.00, 07.30–08.00. 12.30–17.30. **N.: in English:** 02.30, 15.30.
SRINAGAR B: 4860kc/s 61.73m 1kW.
6110kc/s 49.10m 1kW – 9660kc/s 31.06m 1kW – 02.00–04 00. Om 6110 kc/s – 07.30–08.30. On 9660kc/s. – 12.30–17.30. On 4860kc/s.
JAMMU: 990kc/s 303m 0.25kW.
In English, Dogri, Urdu, Hindi & Punjabi: 01.30–03.30, 06.45–08.00, 13.00, 17.30. – **N. in English:** 02.30, 15.30.

EXTERNAL SERVICES

GENERAL SCE (for Indians Overseas): Nov. 57–March 58.

Ea. & So. Ea. As.	L.	kc/s	N.
23.15–00.15	Hindi	15105/17875	23.15–23.25
00.15–01.15	Tamil	17730/21650	00.15–00.25
Ea., C. Af., Mauritius (1) = Bombay 100kW sw tr):			
03.00–04.00	Konkani	15105/17795	03.30–03.40
04.15–04.30	Gujerati	17795/21650[1])	04.15–04.30
04.30–04.40	English	15105/17780	04.30–04.40
04.40–05.30	Hindi	15105/17795	04.40–04.50
15.00–15.30	Hindi	15105/17830	15.00–15.10
16.30–17.15	Gujerati	17830/21705[1])	16.30–16.45
17.15–18.00	Konkani	21705[1])	
EASTERN SCE			
Burma			
00.30–00.40	English	15160/17780	00.30–00.40
00.40–00.50	Burmese	15160/17780	00.40–00.50
11.15–12.00	Burmese	17795/21570	11.15–11.25
China			
12.00–12.30	Cantonese	15125/17760	12.00–12.10
12.30–13.15	Kuyoyu	15125/17760	12.30–12.40
No. Ea. As.			
10.00–11.00	English	15105/17760	10.00–10.10
Au./N. Z.			
10.00–11.00	English	17705/21650	10.00–10.10
Tibet/Sikkim/Bhutan			
12.45–13.15	Tibetan	11905/15190	12.45–12.55
Indonesia			
22.45–23.00	Indonesian	15105/17795	
12.00–12.30	Indonesian	17795/21570	12.00–12.10
So. Ea. As.			
13.30–14.30	English	17845/21585	13.30–13.40
WESTERN SCE			
Afghanistan			
03.30–03.45	Pushto	7105/9600	03.35–03.45
13.45–14.30	Pushto	9850	13.50–14.00
Iran/Afghanistan (* = not Sat.)			
03.45–04.00	Persian	17830/21700	03.45–03.55
16.15–17.15*	Persian	15170/17705	16.30–16.40
Near Ea., No. Af.			
05.00–05.30	Arabic	15160/17830	05.05–05.15
17.30–18.30	Arabic	15170/17795	17.40–17.50
Ea. Af.			
15.55–16.30	Swahili	15105/17830	15.55–16.05
We. Af.			
19.45–20.45	English	15170/17840	19.45–19.55
U.K. & W. Eu			
19.45–20.45	English	11710/15105	19.45–19.55
Near Ea., No. Af., We. Eu.			
18.45–19.30	French	11790/15170	18.50–19.00
Portugal & We. Eu.			
19.00–19.30	Portuguese	11790/15105	19.00 19.10

ANN. Home Sce.: "This is all India Radio". **External Sce:** "This is Delhi Calling in the External Services of All India Radio".
INT.-SIG.: All India Radio's signature is a melody of eight second's duration repeated with intervals of 10 seconds in between. The Instruments used are violin, viola, cello and tampura.

★ INDONESIA ★

L.T.: See World Time Table. – L.: Indonesian, Hindi, Urdu, Arabic, Chinese, English. – Revrs.: 600.000.

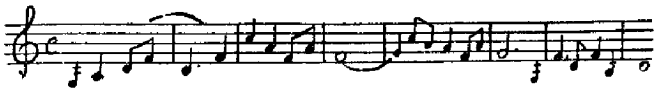
RADIO REPUBLIK INDONESIA (Go.)
ADDR.: Head Office: Djalan Medan Merdeka Selatan 17, Djakarta. – Cable: RIVOX. – **Djakarta:** Djalan Medan Merdeka Barat No. 4–5. **Bandung:** Tjiumbuluit. – **Semarang:** 130 Djalan Pandanaran. – **Surakarta:** 1 Djalan Marconi. – **Surabaya:** 34 Djalan Kajoon. – **Jogjakarta:** 6 and 8 Setjodiningratan. – **Djember:** 1 Djalan Irigasi. – **Madiun:** 30a Djalan Raya. – **Denpasar:** Melati. – **Kotaradja:** Djalan Pentjul. – **Medan:** 28 Djalan Serdang. – **Padang:** 14 Djalan Sukarno. – **Palembang:** 2 Djalan Merdeka. – **Bukittinggi:** 22 Djalan Rumah Sakit. – **Menado:** E. 9 Rumah Buruh Sario. – **Makassar:** 2 Djalan Radjawali. – **Bandjarmasin:** 6 Djalan Sudimoro. – **Pontianak:** 7 Djalan Prawira. – **Ternate:** c/o Studio Ternate. – **Samarinda:** S. 34 and 35 Djalan Pemandian. – **Tjirebon:** 129 Djalan Kedjaksaan. – **Ambon:** Djalan Batugadjah.
L.P.: Head Office: Dir. Gen.: R. Maladi. Dir. Adm.: S. Hardjoloekito. Dir. News: S. Sjamsoe. Dir. Foreign Service: R. Soetojo. Dir. Public Relations: R. Soemarmadi. Dir. Home Sce.: R. Soekirman. – **Stations:** Dir.: Bandung: L. S. Tunaro. – Jogjakarta: R. C. S. Hadisoekanto. – Surakarta: O. Soemowidjojo. – Surabaya: R. Harto. – Semarang: S. Sumobroto. – Madiun: Mardjuki. – Djember: K. Alibari. – Tjirebon: Soeparto. – Palembang: M. Koesoemo. – Padang: Kartojo. – Bukittinggi: A. Noerin. – Kotaradja: A. Azis. – Pontianak: S. Karsomahardjo. – Bandjarmasin: Djaswadi. – Makassar: R. M. S. Adisepoetro. – Menado. S. A. Moeri. – Ambon: F. P. Likumahwa. – Denpassar: B. K. Naftali. – Ternate: Hartono. – Samarinda: Soetarjo: Tandjung Pinang (Isl. near Singapore): Soemitro. – Sibolga (Sumatra): Simandjuntak – Soemenep: Soepeno (Acting: Kepsto).

HOME SERVICES

Call	kc/s	m	kW	Call	kc/s	m	kW
Djakarta (Java Central Station)				**Surakarta (C. Java)**			
YDB	2460	121.95	1	YDG2	2440	122.95	1
YDD	3277	91.54	1	YDG	4880	61.47	10
YDB4	3935	76.24	7.5*)	**Tjirebon (W. Java; relay)**			
YDB2	4910	61.10	0.3	YDA6	2390	125.50	0.3
YDF	6045	49.63	100	**Padang (S. Sumatra)**			
YDB3	7270	41.26	7.5	YDL2	2480	120.96	1
YDF6	9710	30.90	50	YDL3	4805	62.42	10
YDE	11770	25.49	7.5	YDL	6170	48.62	10*)
YDC	15150	19.80	50	**Palembang (S. Sumatra)**			
Bandung (W Java)				YDK2	2430	123.40	1
YDA2	2420	123.96	0.25	YDK	4855	61.79	10
YDA3	4945	60.61	10	**Bukittinggi (N. Sumatra)**			
Djember (E. Java; relay)				YDM	3232	92.82	1
YDI6	2330	128.74	0.3 (1)	YDM2	5030	59.64	5
Jogjakarta (C Java)				**Kutaradja (N. Sumatra)**			
YDJ3	2350	127.65	1	YDN	2390	125.50	0.1
YDJ	5060	59.29	7.5	YDN2	4985	60.18	1 (5)
YDJ2	7105	42.22	20	**Medan (N. Sumatra)**			
Madiun (E. Java; relay)				YDP2	2490	120.5	1
YDG6	3286	91.29	0.3 (1)	YDP	4930	60.85	7.5
Semarang (C. Java)				YDP3	7240	41.44	20
YDH	2490	120.48	1	**Sibolga (Sumatra: relay)**			
YDH2	3259	92.05	5	YDM6	2320	129.3	1
Surabaja (E. Java)				**Bandjarmasin (Kalimantan)**			
YDI3	2370	126.50	0.25	YDO	3250	92.31	10*)
YDI2	3975	75.47	10	YDO2	5970	50.25	1*)

Call	kc/s	m	kW
Pontianak (Kalimantan)			
YDW	3345	89.65	1 (5)
Samarinda (Kalimantan; relay)			
YDY	3295	91.00	0.25 (1)
Makassar (Sulawesi)			
YDQ	2460	121.95	0.25 (1)
YDQ2	4750	63.16	1
YDQ3	7295	41.12	20
Menado (Sulawesi)			
YDS	3214	93.34	5*)
YDS2	5990	50.08	1*)
Denpassar (Bali)			
YDU2	3375	88.89	1
YDU	4840	61.98	10
Ambon (Maluku)			
YDR2	3241	92.56	1
YDR	4865	61.66	10
Ternate (Maluku; relay)			
YDZ	3325	90.22	0.3 (5)
Tdj., Pinang (Sumatra; relay)			
YDX	3223	93.09	0.1 (1)
Kupang (Nusa Tenggara)			
YDV	3375	88.89	0.25 (1)
Singaradja (Nusa Tenggara)			
–	3205	93.60	1
Sumenep (Madura)			
–	3355	89.41	0.25 (1)
Tidore (West Irian Province)			
–	3960	75.75	1

*) When two freq. on the same tr. are mentioned, the shortest freq.s are for use in the evening and the other freq. at daylight.
Figures in brackets indicate the power to which the freq. will be increased.
DJAKARTA: Nat. Prgr. W.: 22.28–00.45 2460, 3935, 6045 kc/s, 05.28–07.30 2460, 11770, 15150 kc/s, 09.30–11.00 3935, 6045 kc/s, 11.00–15.30 2460, 3935, 6045 kc/s. Sun.: 23.28–03.30 2460, 6045, 15150 kc/s, 03.30–04.30 2460, 15150 kc/s, 04.30–07.30 2460, 7270, 15150 kc/s, 09.30–15.30 3935, 6045 kc/s (from 11.00 also 2460 kc/s).
N.: 22.30 (W), 23.30, 00.30, 05.30, 06.30, 07.15, 11.30, 12.30, 14.30.
Local Prgr.: On 2460 kc/s: D. 09.30–11.00.
Third Prgr. (for Indonesian Forces and Foreigners): On 3277, 7270 kc/s: W: 22.30–23.30, 11.30–15.30. Sun.: 23.30–04.30, 09.30–15.30. **English:** 12.30–12.58. – N.: 12.32, 12.55.
BANDUNG: W.: 22.27–00.30, 05.27–07.30, 09.30–15.30. Sun.: 23.27–07.30, 09.30–15.30.
DJEMBER: D. 22.30 (Sun. 23.25)–00.45, 09.30–15.30.
JOGJAKARTA: W.: 22.27–00.40, 05.27–07.30, 09.27–15.30. Sun.: 23.27–07.30, 09.27–15.30.
MADIUN: W.: 22.28–00.45, 09.30–15.30. Sun.: 23.28–07.30, 09.30–15.30.
SEMARANG: W.: 22.27–00.45, 05.27–07.30, 09.27–15.30. Sun.: 23.27–07.30, 09.27–15.30.
SURABAJA: W.: 22.28–00.45, 05.25–07.30, 09.28–15.30. Sun.: 23.25–07.30, 09.28–15.30.
SURAKARTA: W.: 22.25–00.45, 05.25–07.30, 09.25–15.30. Sun.: 23.25–07.30, 09.25–15.30.
TJIREBON: W.: 22.28–00.45, 05.28–07.30, 09.30–15.30. Sun.: 22.58–07.30, 09.30–15.30.
PADANG: W.: 23.27–01.30, 06.27–08.30, 10.27–16.30. Sun. 00.27–08.30, 10.27–16.30.
PALEMBANG: W.: 22.57–01.00, 05.57–08.00, 09.57–16.00. Sun.: 23.57–08.00, 09.57–16.00.
BUKITTINGGI: as Padang.
MEDAN: W.: 23.27–01.30, 06.27–08.15, 10.27–16.30. Sun.: 00.27–08.15, 10.27–16.30. – **SIBOLGA:** D. 10.27–16.30.
KUTARADJA: W.: 23.27–01.30, 10.25–16.30. Sun.: 00.27–07.30, 10.25–16.30.
BANDJARMASIN: W.: 22.28–00.45, 05.28–07.30, 09.30–15.30. Sun.: 23.28–07.30, 09.30–15.30.
PONTIANAK: D.: 09.30–15.30. – **SAMARINDA:** D. 09.25–15.30.
MAKASSAR: W.: 21.57–24.00, 04.57–07.00, 08.57–15.00. Sun.: 22.57–07.00, 08.57–15.00.
MENADO: W.: 22.00–24.00, 05.00–06.42, 09.00–15.00. Sun.: 23.00–06.42, 09.00–15.00.
DENPASSAR: W.: 22.25–00.45, 05.25–07.30, 09.30–15.30. Sun.: 23.25–07.30, 09.30–15.30.
AMBON: W.: 21.30–23.40, 04.27–06.00, 08.30–14.30. Sun.: 22.30–06.00, 08.30–14.30.
TERNATE: D. 09.27–14.45.
ANN.: Nat. Prgr.: Indonesian: "Inilah Radio Republik Indonesia di..." (name of the station).
INT.-SIG.: Nat. Prgr.:



played on hammond organ by Sudarnoto.
V. by QSL-card or by letter.

FOREIGN SERVICE FROM DJAKARTA

	kc/s	m	kW		kc/s	m	kW
YDD	3277	91.54	1	YDF2	11770	25.49	100
YDB2	4910	61.10	0.3	YDF7	11770	25.49	100
YDF5	7220	41.55	100	YDF3	11795	25.43	100
YDB3	7270	41.26	7.5	YDC	15150	19.80	100
YDF6	9710	30.90	50	YDF4	17810	16.84	100
YDF8	9865	30.40	50				

English: 11.00–12.00 (Au, NZ, Pa.), 14.30–15.30 (So. Ea. As., Pakistan) 4910/9710 kc/s; 19.00–20.00 (Eu, NZ) 9865/11770 kc/s.
French: 15.30–16.30 (Ind., Indo-China 3277/7270 kc/s; 17.00–18.00 (ME, Eu) 9710/9865 kc/s.
Dutch: 18.30–19.00 (Eu) 9865/11770 kc/s (Tues., Thurs., Sat.).
Indonesian: 18.00–19.00 (Tues., Thurs., Sat. 18.30) 9865/11770 kc/s (In., ME, Eu), 01.00–02.00 (C. Am) 9865/11770 kc/s.
Chinese: 12.00–13.00 (Ea. As.) 4910/9710 kc/s.
Arabic: 13.00–14.00 (Ea. As.) 4910/9710 kc/s; 16.15–17.00 (ME) 9865/11770 kc/s.
Hindi: 15.30–16.00 (In., Malaya) 4910/9710 kc/s.
Urdu: 14.00–14.30 (Pakistan, Malaya) 4910/9710 kc/s.
ENGLISH PRGR.:
N.: 11.15, 14.45, 19.15. – **"Indonesia in Word and Music":** Mo. 11.42, 15.12, 19.42. – **"Spotlight on Indonesia":** Tues.: 11.35, 15.05, 19.35. – **"My country and my People":** Thurs.: 11.30, 15.00, 19.30. – **"Indonesian": Music Sun.:** 11.27, 14.57, 19.27, Fri.: 11.02, 14.32, 19.02, Sat.: 11.38, 15.08, 19.38. – **"Turntable Time":** Tues.: 11.42, 15.12, 19.42 (Request Prgr. consisting of Western songs and popular Indonesian tunes). – **"Open Letter to the Listeners":** Every 3rd & 4th Sun. of the month at 11.35, 15.05, 19.35.
DUTCH PRGR.: N. 18.33.
INDONESIAN PRGR.: N. 18.15, 18.55 (Tues., Thurs., Sat. 18.03, 18.25), 01.15, 01.55.
ANN.: E.: "This is the Voice of Indonesia broadcasting from Djakarta". **F.:** "Ici Djakarta, la voix de l'Indonésie." **Dutch:** "Dit is Radio Republiek Indonesia in Djakarta."
INT.-SIG.: Played on Hammond Organ by Sudarmoto.
V. by QSL-card or by letter. Listeners reports are welcome.
PUB.: Weekly: "Pedoman Radio" (home prgr.), "Berita Radio" (N. on broadc. in Indonesia). – Monthly: "Voice of Indonesia" (Foreign broadc. in Indonesian, Hindi, Urdu, Chinese, Arabic, E., F., Dutch); "Saut Indonesia" in Arabic.—Write to "Voice of Indonesia", RRI. Pusat, Djakarta, Indonesia.

MILITARY STATION (Indonesian Air Force).
ADDR.: Biro Penerangan Angkatan Udara, Medan Merdeka Utara 15, Djakarta. – **HOME SCE. in Ind.:** RAU1 5975 kc/s 50.21 m 7.5 kW. – RAU2 2475 kc/s 121.2 m 0.5 kW. – RAU3 11940 kc/s 25.13 m 0.25 kW. 09.30–12.30.
ANN.: "Inilah radio Angkatan Udara Republik Indonesia di Djakarta". – V. by letter.

★ JAPAN ★

L.T.: GMT+9 h. – **L.:** Japanese. – **Rcvrs.:** 14.322.737.

NIPPON HOSO KYOKAI: (Public Corporation, non-commercial) (The Japan Broadcasting Corporation)
ADDR. 2-2, Uchisaiwai-cho, Chiyoda-ku, Tokyo. – **Cable:** "Radionhk"
L.P.: Pres.: Kiyoshi Nagata. Vice-Pres.: Shigeru Komatsu. Man. Dir.: Kei Mizokami (Tec.). Shunsaku Inaba (Prgr.). Auditor: Masao Kato; Yoshizo Hashimoto. Dir., Planning Dept.: Yoshikazu Kasuga. Chief, Auditing Chamber: Yukitoshi Shima. Directors: General Affairs Dept.: Shigeyuki Kondo. Finance Dept.: Kentaro Shudo. Public Rel. Dept.: Shuji Shibata. Prgr. Management Dept.: Yoshinori Maeda. Education Dept.: Kozo Kawakami. Entertainment Dept.: Yoshio Yoshikawa. N. Dept.: Masatake Akagi. Dir.: International Broadc. Dept.: Seiki Sakiyama. Radio & TV Culture Research Institute: Kameichi Sugimoto. Engineering Dept.: Yoshitoshi Tanabe. Technical Operation Dept.: Heigoro Goto. Technical Research Laboratory: Fumio Mikuma.
STATIONS:

Stations	Call	kc/s	kW	Stations	Call	kc/s	kW
Tokyo 1	JOAK	590	100.	Kyoto 1	JOOK	960	0.5
– 2	JOAB	690	100.	– 2	JOOB	1490	0.5
Nagano 1	JONK	840	0.5	Fukuchiya. 1	JOOT	1040	0.05
– 2	JONB	1420	0.5	– 2	JOOS	1360	0.05
Niigata 2	JOQK	850	10.	Toyooka 1	JOBU	1160	0.05
– 2	JOQB	1030	10.	– 2	JOBV	1540	0.05
Kofu 1	JOKG	620	0.5	Hikone 1	JOBS	1340	0.1
– 2	JOKC	1420	0.5	Shingu 1	JOBQ	1040	0.05
Matsumoto 1	JOSG	780	0.5	– 2	JOBY	1360	0.05
– 2	JOSC	1490	0.5	Maizuru 1	JOOQ	1340	0.05
Iida 1	JOSQ	840	0.05	– 2	JOOZ	1540	0.05
– 2	JOSZ	1530	0.05	Tanabe 1	JOBT	1160	0.1
Ina 1	JOST	1340	0.05	Nagoya 1	JOCK	730	10.
– 2	JOSY	1540	0.05	– 2	JOCB	910	10.
Komuro 1	JONQ	1040	0.05	Kanazawa 1	JOJK	1230	10.
– 2	JONZ	1540	0.05	– 2	JOJB	1390	10.
Takata 1	JOQX	1160	0.1	Shizuoka 1	JOPK	880	3.
– 2	JOQV	1360	0.1	– 2	JOPB	1080	1.
Okaya- 1	JOSU	1160	0.1	Fukui 1	JOFG	600	0.5
Suwa				– 2	JOFC	1530	0.5
– 2	JOSI	1360	0.1	Hama- 1	JODG	620	0.5
Kiso Fuku-				matsu			
shima 1	JOSS	1040	0.1	– 2	JODC	790	0.5
Osaka 1	JOBK	670	100.	Toyama 1	JOIG	600	0.5
– 2	JOBB	830	100	– 2	JOIC	1530	0.5

Japan

Stations	Call	kc/s	kW
Takayama 1	JOCQ	620	0.5
– 2	JOCZ	790	0.5
Ueno 1	JOCT	1160	0.1
Owase 1	JOCU	1160	0.1
– 2	JODS	1540	0.1
Tsuruga 1	JOFT	1040	0.05
– 2	JOFZ	1420	0.05
Obama 1	JOFY	1160	0.05
– 2	JOFQ	1360	0.05
Toyohashi 1	JOCS	1160	0.1
– 2	JOCV	1360	0.1
Nanao 1	JOJU	1340	0.1
Hiroshima 1	JOFK	770	10.
– 2	JOFB	1050	10.
Okayama 1	JOKK	960	1.
– 2	JOKB	1440	0.5
Matsue 1	JOTK	1110	10.
– 2	JOTB	1330	10.
Tottori 1	JOLG	1260	0.5
– 2	JOLC	1490	0.5
Onomichi 1	JODP	1200	0.5
– 2	JODD	1600	0.5
Hofu 1	JOUG	680	1.
– 2	JOUC	1420	1(0.5)
Hamada 1	JOTY	1040	0.05
– 2	JOTT	1360	0.05
Hagi 1	JOUQ	1200	0.5
– 2	JOUZ	1440	0.5
Masuda 1	JOTU	1340	0.1
– 2	JOTS	1540	0.1
Tsuyama 1	JOKU	1160	0.05
– 2	JOKT	1360	0.05
Shobara 1	JOFS	1160	0.05
– 2	JOFU	1360	0.05
Yonago 1	JOLQ	1200	0.5
Tsuwano 1	JOTI	1160	0.1
Kurayoshi 1	JOLS	1040	0.1
Shimo-noseki 1	JOUI	1160	0.1
Niimi 1	JOKI	1340	0.1
Kumamoto 1	JOGK	930	10.
– 2	JOGB	1350	10.
Fukuoka 1	JOLK	610	100
– 2	JOLB	870	100
Kokura 1	JOSK	540	0.1
– 2	JOSB	720	0.1
Nagasaki 1	JOAG	660	0.5
– 2	JOAC	1470	0.5
Kagoshima 1	JOHG	980	10.
– 2	JOHC	1410	10.
Miyazaki 1	JOMG	620	0.5
– 2	JOMC	790	0.5
Oita 1	JOIP	660	0.5
– 2	JOID	1380	0.5
Saga 1	JOSP	780	0.5
– 2	JOSD	1080	0.5
Sasebo 1	JOAT	540	0.1
– 2	JOAY	720	0.1
Hitoyoshi 1	JOGQ	1160	0.05
– 2	JOGY	1360	0.05
Nobeoka 1	JOMT	840	0.5
– 2	JOMX	1420	0.5
Saeki 1	JOIS	1160	0.05
– 2	JOIZ	1440	0.05
Miyako-nojo 1	JOMQ	1340	0.1
Hida 1	JOIV	1040	0.05
Sendai 1	JOHK	890	10.
– 2	JOHB	1090	10.
Akita 1	JOUK	1290	1.
– 2	JOUB	1520	1.
Yamagata 1	JOJG	540	1.
– 2	JOJC	1470	0.5
Hirosaki 1	JORG	1320	0.3
– 2	JORC	1600	0.3
Morioka 1	JOQG	650	10.
– 2	JOQC	990	10.
Fukushima 1	JOFP	620	0.1
– 2	JOFD	720	0.1
Koriyama 1	JOCP	660	1.
– 2	JOCD	1380	1.

Stations	Call	kc/s	kW
Aomori 1	JOTG	700	0.5
– 2	JOTC	790	0.5
Tsuruoka 1	JOJP	1200	0.5
– 2	JOJD	1470	0.5
Kamaishi 1	JOQS	1200	0.05
– 2	JOQZ	1470	0.05
Taira 1	JOHQ	1040	0.05
– 2	JOHZ	1540	0.05
Hachinohe 1	JOTQ	1260	0.5
– 2	JOTZ	1600	0.5
Waka-matsu 1	JOHT	1160	0.05
– 2	JOHY	1540	0.05
Ohdate 1	JOUT	1160	0.05
– 2	JOUV	1360	0.05
Miyako 1	JOQT	1040	0.05
– 2	JOQU	1360	0.05
Yonezawa 1	JOJQ	1040	0.05
– 2	JOJZ	1360	0.05
Yokote 1	JOUS	1160	0.05
– 2	JOUY	1360	0.05
Shinjo 1	JOJS	1340	0.05
– 2	JOJT	1540	0.05
Kesen-numa 1	JOHS	1160	0.05
Ofunato 1	JOQY	1040	0.05
Sapporo 1	JOIK	570	10.
– 2	JOIB	750	10.
Hakodate 1	JOVK	600	0.5
– 2	JOVB	1440	0.5
Asahikawa 1	JOCG	620	0.5
– 2	JOCC	1420	0.5
Obihiro 1	JOOG	960	0.5
– 2	JOOC	1080	0.5
Kushiro 1	JOPG	840	0.5
– 2	JOPC	1490	0.5
Kitami 1	JOKP	1170	10.
– 2	JOKD	1370	10.
Muroran 1	JOIU	780	0.5
– 2	JOIT	1080	0.5
Rumoi 1	JOIX	1340	0.05
– 2	JOCI	1540	0.05
Wakkanai 1	JOIQ	1300	0.05
– 2	JOIY	1470	0.05
Esashi 1	JOVQ	1040	0.05
– 2	JOVZ	1360	0.05
Nayoro 1	JOCY	780	1.
– 2	JOAZ	1530	1.
Matsuyama 1	JOZK	1300	1.
– 2	JOZB	1470	0.5
Kochi 1	JORK	1150	0.5
– 2	JORB	1430	0.5
Tokushima 1	JOXK	1260	0.5
Taka-matsu 1	JOHP	1320	0.5
Uwajima	JOZU	1040	0.05
– 2	JOZY	1360	0.05
Niihama 1	JOZQ	1340	0.05
– 2	JOZZ	1540	0.05
Imabari 1	JOZT	1160	0.05
Nakamura 1	JORQ	1320	0.5
– 2	JORY	1600	0.5
Yawata-hama 1	JOZS	1340	0.05
– 2	JOZI	1540	0.05
Yusuhara 1	JORS	1160	0.1
Johen 1	JOZV	1340	0.05
Ikeda 1	JOXI	1160	0.1

Number of stations:

	1st Network	2nd Network	Total
Central Stations	8	8	16
Local Stations	40	38	78
Rebroadcast. Stations	57	39	96
Total	105	85	190

HOME SERVICE:

1st Network: 20.00–15.00. **Japanese Music:** Mo. 12.30–13.00, Thurs. 13.35–14.00. – **N.:W.:** Every h. "on the hour" exc. 09.00–11.00. Sun. Every h. "on the hour" exc. 01.00, 02.00, 05.00, 09.00, 11.00. – **Commentary D.** 12.05. – **Wrp.:** D. 21.10, 00.05, 02.55, 07.03, 09.55, 13.13, 14.05. – **Mbg.:** Mo.–Fri.: 21.50–22.00.

2nd Network: 20.30–14.30. **Japanese Music:** Sat. 12.00–13.00. Sun. 14.00–14.30. – **N.:** 22.55, 03.55 (W), 11.00. – **L.L.: English:** Mo –Fri.: 21.00–21.30; **Japanese:** Mo.–Fri.: 21.30–21.45; **German:** Mo.-Fri.: 21.45–22.00. **French:** Mo.–Fri.: 22.00–22.15; **Spanish:** Sun. & Wed. 20.40–21.00. **Chinese:** Mo. & Thurs. 20.40–21.00. **Russian:** Tues. & Fri. 20.40–21.00. – **Wrp.:** D. 00,00, 13.45. **Prgr. in English:** W. Current topics 09.20–09.25.

DOMESTIC RELAYS (on shortwave)

Relay First Network: 20.00–10.00 on JKH 7257.5 kc/s.

Relay Second Network: 20.00–10.00 on JKJ 7285 kc/s.

For Japanese in the Far East:

03.00–04.00 on JOA6 15135 kc/s,

10.00–13.00 on JKI4 11800 kc/s.

FOREIGN SERVICE:

STATIONS: 50 or 100 kW.

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
JOA	6069	49.43	JOA4	11705	25.63	JOB21	15325	19.58
JOB	6080	49.34	JOA8	11725	25.58	JOA23	17755	16.89
JOB2	7180	41.78	JOB6	11725	25.58	JOA9	17785	16.87
JOA2	7242	41.42	JOB4	11780	25.47	JOB7	17785	16.87
JOB8	7242	41.42	JOB22	11965	25.07	JOA22	17795	16.86
JOB20	9525	31.50	JOA6	15135	19.82	JOA20	17825	16.83
JOB3	9675	31.01	JOB9	15225	19.70	JOA21	17845	16.81
JOA3	9695	30.94	JOB5	15235	19.69	JOA24	17855	16.80

Wi. Equinox Sn. Languages metre bands.

23.00–24.00	Ea. No. Am.	19–16	16–19	19–16	E., Jap.
05.00–06.00	We., No. Am.	25–19	25–19	19–16	E., Jap.
06.30–08.30	Eu., Russia	19–16	19–16	19–16	*)
07.00–08.00	Hawaii	19–16	19–16	19–16	E., Jap.
09.00–10.00	So. Am.	31–25	31–25	31–25	Sp., P., Jap.
09.00–10.00	Au./NZ.	25–19	19–16	19–16	E., Jap.
10.30–11.30	C. China	31–25	31–25	31–25	Chi.
11.30–12.30	No. China	31–25	31–25	31–25	Chi., R., Jap.
11.30–12.30	Philipp., Ind.	19–16	19–16	19–16	E., Ind., Jap.
13.00–14.00	So. China	25–19	25–19	25–19	Chi., Jap.
13.00–14.00	Ea. Asia	25	25	25	Jap.
14.00–15.00	**)	25–19	25–19	25–19	F., E., Thai.
15.30–16.30	India/Pakistan	31–25	25–19	25–19	***)
17.30–18.30	M. East	31–25	25–19	25–19	****)

*) R., I., G., F., E., Jap. **) Indo-China, Burma, Thailand. ***) Hindi, Urdu, E., Jap. ****) Arabic, E., F., Jap.

Extract of Programme schedule: N.: English: 23.00, 05.00, 07.00, 07.50, 09.05, 11.30, 14.20, 15.50, 17.50. **Japanese:** 23.50, 05.30, 07.30, 09.30, 09.50, 12.20, 13.03, 13.50, 16.20, 1820. **French:** 07.30, 14.00, 18.00. **German:** 07.10. – **Italian:** 06.50 (Sun.). – **Portuguese:** 09.20, **Spanish:** 09.00. – **Russian:** 06.30, 12.05.

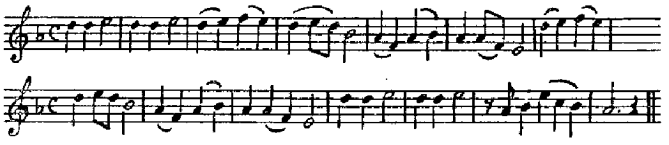
Japanese Music: 23.20 (Mo.), 23.40 (Fri.), 05.10 (Wed.), 05.15 (Sat., Sun.), 05.40 (Wed. Sat.), 05.45 (Tues.), 06.50 (Mo. Fri.), 07.20 (Sun. Wed.), 07.40 (Mo.), 08.05 (Sat./Sun.); 09.20 (Tues.), 09.40 (Sat.).

Mbg.: English: Mo. 23.35. Tues: 05.25, 07.25, 08.15, 09.35. Wed. 11.40, Wed.: 14.30, Mo. 16.15.

Listeners Request Prgr.: English: Mo. 16.05, 23.40. Tues. 05.15, 08.05, 07.15, 09.40, 11.45, 14.35. **Indonesian:** Mo., Fri.: 12.05.

ANN.: Home Sce.: Call sign announced in Jap. at the end of each prgr. – **Foreign Sce.: E.:** "This is Radio Japan, the overseas broadcasting service of NHK. We are broadcasting to... (target area)." **F.:** "Ici Radio Japan..." (target area). **G.:** "Hier ist Tokyo, der japanische Rundfunk..." (target area). **I.:** "Buon giorno, sign. Radioascoltatori Italiani. Qui Radio Giappone – Reparto Servizio Internazionale di NHK...". **Sp.:** "Aqui Radio Japon...". **P.:** "Estao ouvindo a Radio Japao...". **Ind.:** "Inilah Radio Djepang...".

INT.-SIG.: Opening music "Sakura".



V. by QSL-card or letter.

PUB.: Journals for Broadc. Technique and Culture etc. Texts for language courses and NHK Culture University. Journals for Tec. Research etc. – **F.PL.:** Five 0.1 kW st. in 1958; 4 low power st. for 2nd network (end 1957). Increase of power (1957/58) for: Sapporo 100 kW, Kochi 10 kW, Shizuoka 3 kW (2nd network), Taira 0.1 kW, Tsuyama 0.1 kW; Onomichi 1 kW (1st network).

The schedule of the Foreign Sce. is distributed on application. No return postage required.

RADIO JAPAN CALLS YOU TO JAPAN

RADIO JAPAN, NHK's INTERNATIONAL BROADCASTING SERVICE

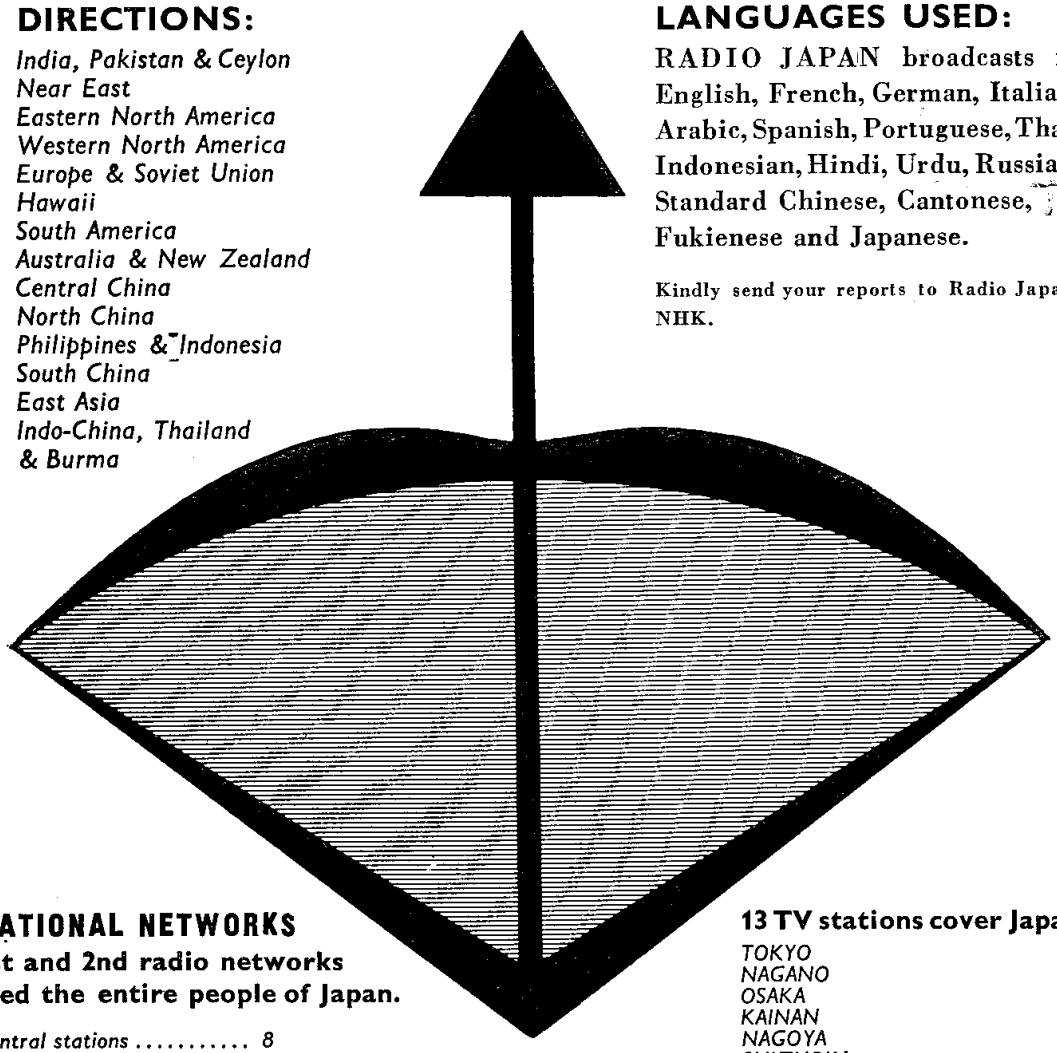
DIRECTIONS:

India, Pakistan & Ceylon
Near East
Eastern North America
Western North America
Europe & Soviet Union
Hawaii
South America
Australia & New Zealand
Central China
North China
Philippines & Indonesia
South China
East Asia
Indo-China, Thailand & Burma

LANGUAGES USED:

RADIO JAPAN broadcasts in English, French, German, Italian, Arabic, Spanish, Portuguese, Thai, Indonesian, Hindi, Urdu, Russian, Standard Chinese, Cantonese, Fukienese and Japanese.

Kindly send your reports to Radio Japan, NHK.



NATIONAL NETWORKS

1st and 2nd radio networks feed the entire people of Japan.

Central stations 8
Local stations 40
Rebroadcasting stations....57

13 TV stations cover Japan

TOKYO
NAGANO
OSAKA
KAINAN
NAGOYA
SHIZUOKA
HIROSHIMA
FUKUOKA
KOKURA
SENDAI
SAPPORO
HAKODATE
MATSUYAMA

NHK
(Japan Broadcasting Corporation)

NHK

No. 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo, Japan.

advertisement NHK Tokyo Japan

THE NATIONAL ASSOCIATION OF COMMERCIAL BROADCASTERS IN JAPAN
ADDR.: 8-7 Ginza-Nishi, Chuo-ku, Tokyo, Japan. – Cable: "Kyobashi Minporen (NARTB JAP)". – L.P.: Pres.: Tadashi Adachi. Vice-pres.: Tsunejiro Hirai.

STATIONS:

M. Waves	kc/s	kW		Call.	kc/s	kW		Call.	kc/s	kW
1	JOCR	560	3	30) JONR	1010	10	59)	JOQR	1210	10
2)	JOGF	580	1	31) JOSO	1060	0.1	60)	JODR	1220	1
3)	JODF	580	1	32) JOSW	1060	0.1	61)	JOUR	1220	1
4)	JOJF	740	1	33) JOJL	1060	0.1	62)	JOER	1240	1
5)	JOLR	740	1	34) JOMO	1060	0.1	63)	JOIR	1250	10
6)	JOMR	760	1	35) JOAO	1060	0.1	64)	JOFR	1270	10
7)	JOCF	760	5	36) JOVO	1060	0.1	65)	JOYR	1280	1
8)	JODE	800	0.1	37) JOBO	1060	0.1	66)	JOQL	1280	1
9)	JOSE	800	0.1	38) JOHL	1060	0.1	67)	JOLF	1310	50
10)	JOYO	800	0.1	39) JOZO	1060	0.1	68)	JOVR	1400	1
11)	JOAL	800	0.1	40) JOFO	1060	0.1	69)	JOMF	1400	1
12)	JOTO	800	0.1	41) JONL	1060	0.1	70)	JOIF	1450	10
13)	JOIO	800	0.1	42) JOGO	1060	0.1	71)	JOOF	1460	1
14)	JOWE	800	0.1	43) JOGE	1060	0.1	72)	JOHW	1460	1
15)	JOWW	800	0.1	44) JODL	1060	0.1	73)	JONF	1480	1
16)	JOQN	800	0.1	45) JODM	1060	0.1	74)	JOKF	1500	1
17)	JOSL*	800	0.1	46) JOEL	1060	0.1	75)	JOQF	1500	1
18)	JOXR	860	1	47) JOPL*	1060	0.1	76)	JODO	1560	0.1
19)	JOPR	860	1	48) JOWR	1060	0.1	77)	JOAE	1560	0.1
20)	JOHE	860	1	49) JOYE	1060	0.1	78)	JOVE	1560	0.1
21)	JOHF	900	1	50) JOJO*	1060	0.1	79)	JOXO	1560	0.1
22)	JOHO	900	1	51) JOAR	1070	10	80)	JOAM	1560	0.1
23)	JOZR	920	1	52) JOSR	1100	1	81)	JOKL	1560	0.1
24)	JOEF	920	1	53) JOBF	1100	1	82)	JOGL	1560	0.1
25)	JOJR	940	1	54) JOAF	1120	1	83)	JOBL	1560	0.1
26)	JOTR	940	1	55) JOGR	1120	1	84)	JOQM	1560	0.1
27)	JOKR	950	50	56) JOQR	1130	50	85)	JOPO*	1560	0.1
28)	JOPF	1000	1	57) JOBR	1140	3	86)	JOHM*	1560	0.1
29)	JOWO	1000	1	58) JOHR	1190	10		*) Projected stations.		

Short Waves:
87) JOZ 3925 kc 10 kW JOZ2 6055 kc 10 kW JOZ3 9595 kc 10 kW.
1) Kobe Broadc. Co., 3-7 Isonare-cho, Suma-ku, Kobe.
2) R. Oita Broadc. Co., 1-491 Takamatsu, Oita.
3) Iwate Broadc. Co., 61 Uchimaru, Morioka.
4) R. Yamanashi Broadc. Co., 288 Hyakkoku-machi, Kofu.
5) Kitanihon Broadc. Co., 31 Irifune-cho, Toyama.
6) Hokuriku Broadc. Co., 128 Takaoka-machi, Kanazawa.
7) R. Ninami-Nihon Broadc. Co., 2 Yasui-cho, Kagoshima.
8) R. Niigata, 941 Kusakarijima, Miyauchi-machi, Nagaoka.
9) Shin-etsu Broadc. Co., Shimohama, Okaya.
10) Sanyo Broadc. Co., 1836 Tangoyama, Haida, Tsuyama.
11) Nankai Broadc. Co., 1822 Udaka, Niihama.
12) R. Tohoku Broadc. Co., Hiraka-machi, Hiraka-gun, Asamai.
13) Tohoku Broadc. Co., 517 Kujo, Kesennuma.
14) R. Fukushima Broadc. Co., 63 Monden-Kuroiwa, Aizu-Wakamatsu.
15) R. Fukushima Broadc. Co., 45 Misono, Kamata, Taira.
16) Hokkaido Broadc. Co., Chuo Bldg. 1 chome-Higashi, Nijo-Kita, Kitami.
18) Kinki-Tokai Broadc. Co., Mie Bldg., 2106 Hon-machi, Marunouchi, Tsu.
19) Fukui Broadc. Co., 41 Makinoshima-cho, Fukui.
20) Hokkaido Broadc. Co., Asahi Bldg. front of Asihakawa-Station, Asahikawa.
21) R. San-in Broadc. Co., 90 Higashi-Kurayoshi-machi, Yonago.
22) Hokkaido Broadc. Co., Nichiro Bldg. Masago-cho, Hakodate.
23) R. Kochi Broadc. Co., 23 Hon-machi, Kochi.
24) Yamagata Broadc. Co., Yamashin Bldg. 471 Nanuka-machi, Yamagata.
25) Shikoku Broadc. Co., 93-1 Shinmachibashi, Tokushima.
26) R. Tohoku Broadc. Co., 14-1 Omachi, Akita.
27) RADIO TOKYO Inc. (Comm.). – ADDR.: 1-2-1 Yuraku-cho, Chiyoda-ku, Tokyo. Cable: "JOKR Tokyo". – L.P.: Pres.: T. Adachi. Chief Mgr.: K. Shikakura. Dir. Prgr.: J. Imamichi. Gen. Mgr.: T. Morimoto. Tec. Mgr.: K. Endo.
HOME SERVICE: 20.00–16.00.
Jap.: 20.00–15.00. – E.: 15.00–16.00 (15.00 N.).
ANN.: Jap.: "Kochira-wa Radio Tokyo desu, JOKR". E.: "This is Radio Tokyo, JOKR". – INT.-SIG.: 19.55, 16.00 light melodies composed by a famous Japanese composer Kosaku Jamada. – V. by QSL-card. – PUB.: Progr. monthly (Radio & TV). – F.PL.: FM broadcast.
28) R. Yamaguchi Broadc. Co., 2-2944 Kume, Tokuyama.
29) R. Fukushima Broadc. Co., 88 Saikon-Yashiki, Koriyama.
30) ASAHI BROADCASTING COMPANY (Comm.): ADDR.: Asahi Building, Nakanoshima, Kitaku, Osaka. – Branch Office: Asahi Building, Ginza-nishi, Chuo-ku, Tokyo. – L.P.: M. Iijima. Man. Dir.: T. Hirai. Ex. Dir. and Sales Dir.: T. Tateishi. Dir. Prgr.: R. Tanaka. Dir. Tec.: K. Kusama. Mgr. Tokyo Office: M. Yoshida
HOME SCE.: 20.20–15.30.
Nat. Music: Fri. 14.00–14.30. – N.: Every 50 mins. exc. 10.50, 12.50, 14.50 (Time-Sig.). – L.L. in English: 14.30–15.00. – Mbg.: 06.45–06.50. – Wrp.: After every N. and 02.45, 07.45. – Prgr. Preview: 20.30–20.40
ANN.: "ABC Asahi HOSO JONR". – V. by QSL-card. Listeners reports wanted. – F.PL.: TV st (JONR-TV) in 1958. Increase power to 50 kW. Two FM-st. (Tokyo, Osaka). Three relay st. (Wakayama, Tanabe, Shingu).
31) Shin-etsu Broadc. Co., Daimyo-cho, Matsumoto.
32) Shin-etsu Broadc. Co., Kami Iida, Iida.
33) R. Yamanashi Broadc. Co., 4921 Tabata, Shimo-Yoshida, Fuji-Yoshida.
34) Hokuriku Broadc. Co., 61 Kokubumachi-no-bu, Nanao.
35) Chubu Nippon Broadc. Co., 2795 Shimo-Okamoto-cho, Takayama.
36) R. Shizuoka, 1222 Tomizuka-Maruyama, Hamamatsu.
37) Kyoto Broadc. Co., 2002 Hama, Maizuru.
38) R. San-in Broadc. Co., 2-147 Inaba, Yoshinari, Tottori.
39) R. Kochi Broadc. Co., Inoue, Gudo, Nakamura.
40) R. Kyushu Broadc. Co., 1841 Onuma, Itahitsu, Kokura.
41) R. Miyazaki Broadc. Co., 1-644 Hamanoyama, Tsunetomi, Nobeoka.
42) R. Aomori Broadc. Co., 35 Banyatai, Nejo, Hachinohe.
43) R. Aomori Broadc. Co., 29 Miyakawa, Katada, Hirosaki.
44) Iwate Broadc. Co., 125 Akasaka, Maesawa-machi, Isawa-gun.
45) Iwate Broadc. Co., Nihama-cho, Kamaishi, Iwate.
46) Yamagata Broadc. Co., 3-57 Mamada, Dogata-machi, Tsuruoka.
48) R. Fukushima Broadc. Co., Fukushima Bldg. 17 Moto machi, Fukushima.
51) Chubu Nippon Broadc. Co., 15-4 chome, Shinsakae-machi Naka-ku, Nagoya.
52) Shin-etsu Broadc. Co., 1-132 Yoshida, Nagano.
53) R. Kumamoto Broadc. Co., 42 Kamitori-cho, Kumamoto.
54) Nankai Broadc. Co., 30-1 Masaki-machi, Matsuyama.
55) R. Aomori Broadc. Co., 72 Fukuda, Matsumori, Aomori.
56) Nippon Cultural Broadc. 51 Wakaba, Shinjuku-ku, Tokyo.
57) Kyoto Broadc. Co., Karasumaru Nijo, Nakakyo-ku, Kyoto.
58) Hokkaido Broadc. Co., 2-3 chome-Nishi, Ichijo-Minami, Sapporo.
59) New Japan Broadc. Co., Mainichi-Osaka Bldg., 53 Funadaiku-machi, Dojima, Kitaku, Osaka.
60) R. Niigata, 18-3 Kawagishi-cho, Niigata.
61) Nagasaki Broadc. Co., 1 Sakura-machi, Nagasaki.
62) R. Chugoku Broadc. Co., 68 Kamiyanagi-cho, Hiroshima.
63) Tohoku Broadc. Co., 141 Higashi-Nibancho, Sendai.
64) R. Kyushu Broadc. Co., Denki Bldg. 35-2 Watanabe-dori, Fukuoka.
65) Sanyo Broadc. Co., 1-33 Higashi-Nakasange, Okyama.
66) Hokkaido Broadc. Co., 8 Sakae-cho, Kushiro.
67) Nippon Broadc. System, 7-1 Yuraku-cho, Chiyoda-ku, Tokyo.
68) R. Shizuoka, 46 Koya machi, Shizuoka..
69) Nagasaki Broadc. Co., 99 Tenjin-cho, Saseho.
70) Kyushu Asahi Broadc. Co., 210 Higashi-Nakasu, Fukuoka.
71) R. Tokai Broadc. Co., 10 4700 Kami-Kano, Gifu.
72) Hokkaido Broadc. Co., Ringyo Bldg. 9 chome-Minami, Nijo-Higashi, Obihiro.
73) R. Miyazaki Broadc. Co., 858 Shimo-Kitakata-machi, Myazaki.
74) Nishi-Nippon Broadc. Co., 1297 Kita-cho, Takamatsu.

75) **Hokkaido Broadc. Co.**, Kakimoto Bldg., 48 Kaigan-cho, Muroran.
76) **R. Niigata**, Shioya, Naoetsu.
77) **Chubu Nippon Broadc. Co.**, 30 Ipponmatsu, Mukaiyama-cho, Toyohashi.
78) **R. Shizuoka**, Matsumoto, Mishima.
79) **Kinki-Tokai Broadc. Co.**, 2338 Higashi-Hirao, Ueno.
80) **Nankai Broadc. Co.**, 110 Ko-Nakazawa, Yorimatsu Uwajima.
81) **Nishi-Nippon Broadc. Co.**, 1963 Kunita-cho, Kanonji.
82) **R. Oita Broadc. Co.**, 716 Sabiyado, Shimoikenaga, Nakatsu.
83) **R. Kumamoto Broadc. Co.**, 772 Jizo-de Kita-Ganjoji-machi, Hitoyoshi
84) **Hokkaido Broadc. Co.**, Daiwa Dept. 2 chome-Higashi, Shijo-Minami, Abashiri.
87) **THE NIHON SHORT-WAVE BROADCASTING COMPANY** (Pr. Comm.) – Japanese Short Wave Broadcasting Co. – **ADDR.**: No. 3, 7-chome, Tamachi, Akasaka, Minatoku, Tokyo. – **L.P.**: Pres.: S. Odajima. Adm.: Z. Takano. Dir. Prgr.: S. Iizawa. Dir. Tec.: T. Kawahara. Dx-Editor: Y. Kobayashi.
HOME SERVICE:

JOZ	3925 kc/s	76.43 m	10 kW	21.00–15.25
JOZ2	6055 –	49.56 –	10 –	21.00–15.25
JOZ3	9595 –	31.3 –	10 –	23.00–10.00

In Japanese: N.: 23.30, 03.30, 08.00. – **L.L.**: (Russian): 22.00, 24.00. – **Wrp.**: 07.20, 13.35. – **DX-Prgr.**: Sat. 22.15–22.30.
In English: D. 14.45–15.00 Feature hour for Foreigners in Japan (N., Jap. Music, market-reports etc.).
ANN.: **Jap.**: "Nihon Tanpa Hoso desu NSB". – **E.**: "This is NSB the Nihon Short Wave Broadcasting Company operates the stations of JOZ 3925 kc/s, JOZ2 6055 kc/s and JOZ3 9595 kc/s". – **INT.-SIG.**: Slow tempo chime music with Japanese musical instrument "Koto". – **V.** by QSL-card. – **PUB.**: The Tampa-Techo (monthly)

ALLIED STATIONS

FAR EAST NETWORK (USA AFRTS, Army)
The network serves the members of the United States and United Nations Forces serving in the Far East.
ADDR.: 8213th Army Unit APO 613 c/o PM. S. Francisco, Calif.
The stations of the FEN in Japan and Okinawa broadcast by authority of the Commander in Chief, Far East, and are linked by land line or sw. radio; sw. also links FEN with AFKN.
HOME SCE. in English: 21.00–15.05 (on 810 kc/s to 16.00).
Medium Waves:

	kc/s	kW		kc/s	kW		kc/s	kW
Tokyo	810	10	Itazuke	1550	0.25	Sendai	1570	0.25
Misawa*	1510	0.25	Niigata*	1550	0.25	Nagoya	1580	10
Nara*	1510	0.25	Otsu*	1550	0.25	Chitose	1590	0.25
Iwakum	1510	1	Sapporo	1570	0.25	Kokura	1590	0.25
Hachinone	1530	0.25	Sasebo*	1570	0.25	Kobe*	1590	1
						Miho	1590	0.1

* relay stations.
Short Waves (relay Tokyo):

3800 kc/s	78.95 m	0.25 kW		
6160 –	48.70 –	10	–	10.00–15.05 Nighttime only.
11750 –	25.53 –	10	–	21.00–09.45 Daytime only.
15257 –	19.66 –	10	–	21.00–09.45 Daytime during summer.

LISTEN
to
ABC
Japan's Voice of Time
朝日放送
(ASA HI HO SO)
ASAHI BROADCASTING COMPANY
Head Office: Nakanoshima, Kitaku, Osaka.
Branch Office: Ginzanishi, Chuoku, Tokyo.
1010KC —— 10KW —— JONR (Call)

ANN.: Except for half hour and on the hour, identification is "Far East Network, serving American Forces in Japan and Okinawa". Other times is local station identification i.e. "FEN-Tokyo", Nagoya, Sendai etc. Shortwave transmitters are identified in E. with frequency. – **V.**: Reports are desired and welcomed.

VOICE OF UNITED NATIONS COMMAND (V.U.N.C. Go.)
ADDR.: U.S. Army Broadcast and Visual. Activity Far East, APO 500, San Francisco, Cal. – **L.P.**: Dir. Gen. Col. L. Knapp. Mgr.: Ed. Masters. Dir. Prgr.: Fr. Collins. Dir. Tec.: T. Nagayasu. Dir. Press.: E. Costenoble.
FOREIGN SCE. in Cantonese, Mandarin, Korean: 10.30–24.00.
VUNC Korea Network (Seoul): 10.30–24.00
760 kc/ 5 kW – 2720 kc 0.3 kW – 1220 kc 5 kW – 3765 kc 0.3 kW
VUNC Japan Network:

Tokyo	JOAB	690 kc/s	434	m	100 kW	14.32–16.02
Osaka	JOBB	830 –	362	–	100 –	14.32–16.02
Yamata	–	6015 –	49.88	–	10 –	13.30–21.00
Yamata	JBD2	9560 –	31.38	–	10 –	11.00–18.00

KBS Network Two: 12.30–14.00
Seoul 710 kc/s 422 m 100 kW – 3910 kc/s 76.73 m 0.4 kW
ANN.: **E.**: "Voice of the U.N. Command". – **V.** by QSL-card.

★ KOREA (North) ★

L.T.: GMT + 8½ h. (Su. 9½ h.). – **L.**: Korean.
RADIO PYONGYANG (Go.)
ADDR.: Korean Central Broadcasting Committee, Pyongyang.
L.P.: Dir. International Relations: Chang Ji Je.
HOME SCE.: Pyongyang
20.30–23.30 (Sun. 00.30), 03.30–06.30, 08.30–16.30

620 kc/s	484 m	785 kc/s	382 m	5703 kc/s	52.60 m
700 –	428 –	820 –	365 –	6195 –	48.43 –

N.: 20.30, 21.00, 21.30, 03.30, 04.30, 08.30, 10.30, 11.30, 12.30, 14.30. – **Rel. R. Moscow**: 22.30–23.00, 09.30–10.00.
FOREIGN SCE.: **Chinese**: 21.30–22.00 on 1080/6250 kc/s. – **Japanese**: 22.00–22.30, 14.00–14.30 on 820/6250 kc/s. – **Korean** (for Japan): 13.30–14.00 on 820/6250 kc/s.

★ KOREA (South) ★

L.T.: GMT + 8½ h. (Su. GMT + 9½ h.). – **L.**: Korean. **Rcvrs.**: 150.000
THE KOREAN BROADCASTING SYSTEM (Go.)
ADDR.: Bureau of Radio Broadcast (BRB), Public Information Office, Seoul. – **L.P.**: Dir. Tec.: Chong Hoon Lee.
STATIONS:
Short Waves:

	Call	kc/s	m	kW		Call	kc/s	m	kW
1)	HLKA	2510	119.5	10	2)	HLKA	9640	31.12	100
1)	HLKA	3910	76.73	1	2)	HLKA	11925	25.16	100
2)	HLKA	5980	50.17	100	2)	HLKA	15255	19.66	100
2)	HLKA	7180	41.78	100	2)	HLKA	17895	16.76	100
1)	HLKA	7935	37.81	1					

Medium Waves:

	Call	kc/s	kW			Call	kc/s	kW	
3)	HLKF	570	0.5		9)	HLKH	780	0.5	
4)	HLKG	630	10		10)	HLKB	800	10	
5)	HLKQ	640	0.5		12)	HLKI	880	10	
6)	HLKN	650	0.5		1)	HLKA	970	100	**)
2)	HLKA	710	100	*)	13)	HLKL	1030	0.5	
7)	HLKR	740	0.05		14)	HLKS	1080	0.5	
8)	HLKO	760	0.05		15)	HLKM	1430	0.35	

*) s.w.: 5980, 7180, 9640, 11925, 15410. **) s.w.: 2510, 3910, 7935.
ADDR.: 1) Central R. St. HLKA, Jung Dong, Sudaemoon-ku, Seoul. – 2) Central R. St. HLKA, 154 In-Gei Dong, City of Suwon. – 3) Iri. – 4) Taegu. – 5) Chongju. – 6) Mokpo. – 7) Kangneung. – 8) Masan. – 9) Kwangju. – 10) Pusan. – 12) Taejon. – 13) Namwonkung. – 14) Cheju. – 15) Chunchon.
HOME SCE. in Korean:
1st Prgr.: On 970/3910 kc/s: 20.00–15.15. On 2510 kc/s: 20.00–21.30, 10.00–15.15. On 5980 kc/s: 22.00–09.40. On 9640 kc/s: 00.00–04.30, 07.30–10.00.
2nd Prgr.: On 710/7180 kc/s: 20.00–24.00, 07.00–15.15. On 9640 kc/s: 10.30–12.00.
FOREIGN SCE.: On 11925/15255/17895 kc/s: **English**: 09.30–10.00 (exc. Sat./Sun.). **Chinese**: 14.00–14.30. **Japanese**: 12.00–12.30.
INT.-SIG.: **Home Sce.**: "A-Ri-Rang". **Foreign Sce.**: "Tah-Ryong".
ANN.: **Home Sce.**: "Yo-gi Nun Jayoo E Soli Dai Han Min Look Bang Song Kook Im nee da". – **Foreign Sce.**: "This is K.B.S. The Korean Broadcasting System". – **V.** by QSL-card, letter and photos.

CHRISTIAN BROADCASTING STATION – HLKY (Religious – Noncommercial)
ADDR.: 91 Chongno 2ka, Seoul. – **L.P.**: Pres.: Rev. O.T. De Camp. Dir. of Prgr.: D. Payne. Dir. of Adm.: J. Kim. Dir. Tec.: T. Lee.

HOME SCE. in Korean and English:
HLKY 840 kc/s 357 m 10 kW } 22.00–24.00 (Sun. 02.00)
HLKY FM 104 mc/s 0.25 – } 09.00–14.30 (Sun. 15.00)
N.: 22.15 (relay KBS), 13.00 (relay VOA). **English:** 00.00–02.00 (Sun. only). – **L.L.:** (English): W. 09.45–09.30.
ANN.: E.: "The Christian Broadcasting Station, HLKY, Seoul". – **Korean:** "Yukinun Kidokko Bangsongkuk Yim Ni Da, HLKY, Seoul". – **V.** by letter. – **F.PL.:** St. at Teagu in 1958. – **PUB.:** Prgr. sched. free on request.

AMERICAN FORCES KOREAN NETWORK (Go.)
ADDR.: Headquarters, United States Element, American Forces Korea Network, APO 301, S. Francisco, Calif., U.S.A.
L.P.: Commanding Officer: Maj. R.H.Nothdurft. Executive Officer: Maj. H.C.Oppenheimer. Dir. Prgr.: Capt. E.D.Harris. Dir. Tec.: CWO J.K.Downs. St. Mgr.: M/Sgt. J.B.Harris.
STATIONS: Medium Waves: 24 h. a day in **English:**

kc/s	m	kW	AFKN	kc/s	m	kW	AFKN
1060	283.0	0.25	Osan	1440	208.3	0.25	Kunsan
560	535.0	5	Seoul	1400	214.3	1	Kuma-Ri
1230	240.0	1	Pusan	1510	198.7	1	Taegu

Short Wave: Seoul: 6895 kc/s 43.52 m 0.25 kW (rel. 560 kc/s) 21.30–17.30.
ANN.: "This is the AFKN, American Forces Korean Network".
V. by letter. R.p.

★ LAOS ★

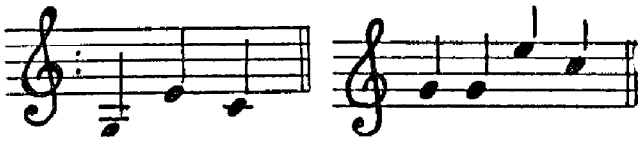
L.T.: GMT + 7 h. – **L.:** French, Lao, Thai. – **Rcvrs.:** 10.000.

RADIODIF. NATIONALE LAO A VIENTIANE (Go.)
ADDR.: Radio Lao, Laos. – **L.P.:** Dir.: Thong Sing. Dir. Tec. V. Savanh.
HOME SERVICE: 01.00–02.00, 06.00–07.00, 11.30–14.30.
6130 kc/s 48.94 m 1 kW – 7145 kc/s 41.99 m 1 kW.
In Lao: 00.00–01.00, 05.00–06.00, 13.00–13.15. – **L.L.:English:** 01.30–01.45. N. in French: 13.00–13.15. Thai: 13.15–13.30. – **Mbg.:** 13.45–14.00.
ANN.: "Ici Vientiane Radiodiffusion Nationale Lao". – **INT.-SIG.:** Music on khene, instrument built of bambus. – **V.** by letter or QSL-card. See corrections last page.

★ MACAU (Portuguese China) ★

L.T.: GMT + 8 h. (Su. GMT + 9 h.). – **L.:** Portuguese, Chinese, English. **Rcvrs.:** 6000.

EMISSORA VILA VERDE (Pr.-Comm.)
ADDR.: Emissora Vila Verde, Macau. – **Cable:** Vila.
L.P.: Dir.: Dr. Pedro H. Lobo. Dir. Prgr.: Antonio Hyndman. Chief-Eng.: J.J.Alvares.
HOME SERVICE:
CR9XL 1005 kc/s 298.5 m 3 kW: 23.00–16.00 (P., E., Chi.).
CR9XM 1200 – 250 – 0.25 – : 05.00–06.30, 12.00–14.00 in P.
ANN.: E.: "You are listening to Radio Vila Verde-Macau". **P.:** "Aqui Emissora Vila Verde Maçau, estaçao...".
INT.-SIG.:



V. by QSL-card.

★ MALAYA ★

L.T.: GMT + 7½ h. – **L.:** English, Chinese, Malay, Tamil. – **Rcvrs.:** 170.000.
BBC FAR EASTERN STATION: see Gr. Britain.

RADIO MALAYA (Go.)
ADDR.: Department of Broadcasting, P.O. Box 1902, Singapore. – **Cable:** "Broadcast".
L.P.: Dir. of Broadc.: H.W.Jackson. Dep. Dir.: H.H.Beamish. Dir. Tec.: G. S. Miller
Stations: Singapore=S; Kuala Lumpur=KL; Penang=P; Malacca =M; Ipoh=I.
BLUE NETWORK in English, Chinese, Tamil:

S:	630 kc/s	476.0 m	10 kW	-		7200 kc/s	41.67 m	7.5 kW
KL:	880 –	340.0 –	10 –	-	P:	820 –	366.0 –	2 –
M:	1010 –	297.0 –	0.25 –		I:	910 –	333 –	2 –

English:
Mo.-Thurs.: 23.45–01.00 (S), 01.27–02.15 (S, KL, P, M), 03.38–04.30 (S, KL, P, M), 05.45–06.30 (S, KL, P, M), 08.27–15.30 (S), 08.27–09.30 (KL, P, M), 10.30–15.30 (KL, P), 11.26–12.00 (Wed. 11.45) (M), 13.30 (Wed. 14.00)–14.30 (M). – **Fri.:** 23.45–01.00 (S), 05.45–06.30 (S, KL, P, M), 09.30–15.30 (S), 10.30–15.30 (KL, P), 11.26–11.45 & 13.30–14.30 (M). – **Sat.:** 23.45–01.30 & 05.45–15.30 (S), 05.45–08.30 (KL, P), 05.45–06.30 (M), 10.30–15.30 (KL, P), 11.25–12.00 & 13.30–14.30 (M). – **Sun.:** 23.45–15.30 (S), 01.30–04.30 (KL, P), 05.30–09.30 (M), 05.45–08.30 & 10.30–15.30 (KL, P), 11.15–12.00 and 13.30–14.30 (M).
Chinese: Mo.-Thurs.: 04.30–05.45 (S, KL, P). – **Fri.:** 01.30–02.45 (S, KL, P, M), 04.30–05.45 (S, KL, P), 06.30–07.20 (S, KL, P, M). – **Sat.:** 01.30–02.20 (S, KL, P, M), 04.30–05.45 (KL, P), 08.30–10.30 (KL, P). – **Sun.:** 04.30–05.45, 08.30–10.30 (KL, P).
Tamil: Fri.: 03.27–04.30 (S, KL, P, M).

RED NETWORK in English, Chinese, Malay, Tamil:

S:	790 kc/s	380.0 m	10 kW	-		6135 kc/s	48.90 m	7.5 kW
KL:	590 –	508.0 –	10 –	-		6025 –	49.79 –	5 –
P:	660 –	455.0 –	2 –	-	M:	1010 –	297.0 –	0.25 –
I:	740 –	405 –	2 –					

English: Sun. 07.30–09.30 (S).
Chinese: Mo., Wed.: 01.30–02.45 (S, KL, P), 06.30–07.20 (S, KL, P, M). – **Tues., Wed., Fri.:** 14.45–15.30 (M). – **D.:** 13.30–15.30 (KL, P), 14.30–14.42 (M). – **Sat. & Sun.:** 15.27–15.30.
Malay: Mo.-Thurs.: 23.00–01.30 (S), 04.30–05.30 (S, KL, P, M), 08.30–09.00 (S), 08.30–10.30 (KL, P), 12.00–14.30 (S), 12.00–13.30 (KL, P, M). – **Tues. & Thurs.:** also 01.30–02.55 (S, KL, P), 03.45–04.30 (S, KL, P), 06.30–07.30 (S, KL, P, M). – **Fri.:** 23.45–05.30 (S), 01.30–05.30 (KL, P), 04.30–05.30 (M), 06.30–10.30 (KL, P), 12.00–14.30 (S), 12.00–13.30 (KL, P, M). – **Sat.:** 23.45–01.30 (S), 04.00–05.30 (S, KL, P, M), 07.30–09.00 (S), 07.30–10.30 (KL, P), 08.00–09.00 (M), 12.00–14.30 (S), 12.00–13.30 (KL, P, M). – **Sun.:** 23.45–01.30 (S), 03.30–05.30 (S, KL, P, M), 07.30–10.30 (KL, P), 12.00–14.30 (S), 12.30–13.30 (KL, P, M).
Tamil: Mo.-Thurs.: 23.00–23.45 (S), 03.27–04.30 exc. Tues., Thurs. (S, KL, P), 05.30–06.30 (S, KL, P), 09.00–12.00 (S), 09.50–11.10 (M), 10.30–12.00 (KL, P). – **Fri.:** as Mo.–Thurs. exc. 03.27–04.30. – **Sat.:** 23.00–23.45 (S), 05.30–07.30 (S, KL, P), 06.30–07.00 (M), 09.00–12.00 (S), 09.00–09.30 (M), 10.30–11.10 (M), 10.30–12.00 (KL, P). – **Sun.:** 23.00–23.45 (S), 01.30–03.30 (S, KL, P), 02.30–03.30 (M), 05.30–07.30 (S, KL, P), 09.30–12.00 (S), 09.50–11.10 (M), 10.30–12.00 (KL, P).

GREEN NETWORK in Chinese only:
S: 990 kc/s 303.0 m 10 kW – 7289 kc/s 41.15 m 7.5 kW
Mo.-Fri.: 23.45–02.30, 09.30–15.30. – **Sat.:** 23.45–02.30, 04.30–15.30. – **Sun.:** 23.45–15.30.
ANN.: E.: "This is Radio Malaya"
INT.-SIG.: C-C-A-G on Hawaiian Guitar. – **V.** by QSL-card.

FORCES BROADCASTING SERVICE (British Military)
ADDR.: GHQ FARELF, c/o G.P.O. Singapore. – **D. Prgr.** in Kiswahili, Chinyanja, Fijian, Gurkhali & Dayak: 12.00–14.00 (Fri. 14.15). Listeners report the frequency to be 5010 kc/s.

★ NEPAL ★

L.T.: GMT+5½ h. **L.:** Nepali, Newari, Hindi, English. **Rcvrs.:** 10.000.

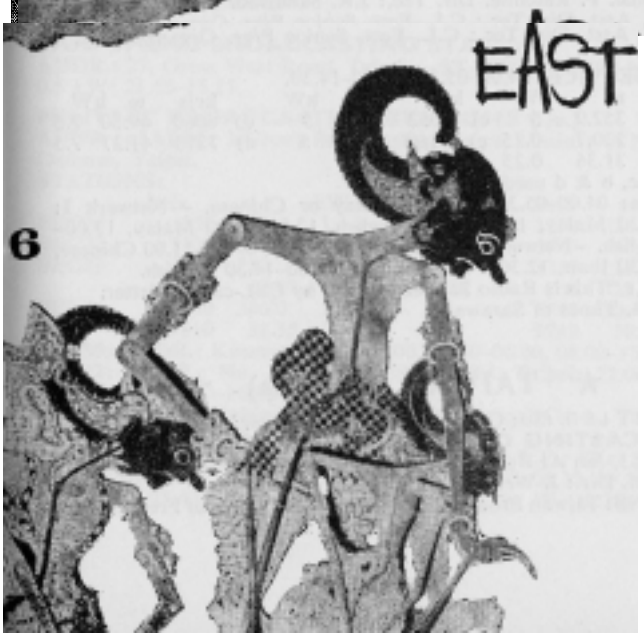
RADIO NEPAL (Go.). **ADDR.:** Kathmandu. (Via India).
HOME SERVICE:
1500 kc/s 200.0 m 0.25 kW 12.20–13.50
7100 – 42.25 – 5 – 03.20–04.50, 07.50–09.20.
N. in Newari: 03.35 – **N. in Nepali:** 03.40, 08.20, 12.50. – **N. in English:** 04.35, 13.00. – **N. in Hindi:** 04.40, 09.10.
ANN.: E.: "This is Radio Nepal." Nepali: "Yo Radio Nepal Ho." – **V.** by letter. R.p.

★ PAKISTAN ★

L.T.: We. Pakistan: GMT+5 h. – **Ea. Pakistan:** GMT+6 h. – **L.:** Urdu, Bengali. – **Rcvrs.:** 94.284.

RADIO PAKISTAN (Go.)
ADDR.: 71, Garden Road, Karachi. – **Cable:** "Pakbrocast", Karachi. – **L.P.:** Dir. Gen.: Z.A. Bokhari. Dep. Dir. Gen., Prgr.: R. Ahmed. Dep. Dir. Gen. Adm.: M. Nizami. Chief-Eng.: B. Ahmed. Dep. Chief-Eng.: S.A. Aziz. Dir. Prgr. Planning: H. Nasim. Dir. Liaison: A. Butt. Adm. Officer: A.A. Zuberi. Asst. Dir. Music: S.A. Gilani. **Executive Units:** Dir. N., Karachi: A.G. Eirabie. Dir. External Services, Karachi: S.S. Niazi. Reg. Dir. R.P., Karachi: M. Iqbal. Reg. Dir. R.P., Lahore: A.B. Ahmad. Reg. Dir. R.P., Rawalpindi: A. Nasri. Reg. Dir. R.P., Peshawar: Q.A. Saeed. Reg. Dir. R.P., Hyderabad: S.A. Hafeez. Reg. Dir. R.P., Dacca: A.F. Kalimullah. Reg. Dir. R.P., Quetta: K.G. Ali. Dir. Monitoring, Karachi: S.I. Haq. Resident Eng. H.P.T., Karachi: S. Shah. Installation Eng., Karachi: A.G. Baig. Maintenance Eng., Karachi: M.A. Rehman.
STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Peshawar	790	380	10	Rawalpindi	1150	261	10
Karachi I	830	361.4	10	Dacca I	1170	256	5
Chittagong	870	345	1	Rajshahi	1340	224	1
Hyderabad	1010	297	1	Quetta	1450	207	1
Lahore I	1090	275	5				



1. **JAPAN:** Broadcasting Japanese popular songs by Miss Columbia Rose, the best singer of popular songs. **(Asahi Broadcasting Co.).**

2. **SARAWAK:** A young girl of the Sea Dayak Community listening in to Radio Sarawak in a Dayak longhouse.

3. **PHILIPPINES:** A delightful show called "Ate Barbara" at 7.30 in the Philippines. Tells the adventures of a family of orphans left under the care of a "big sister". played by Barbara Peres (shown at left with her brood of orphans). **(DZPI Manila Broadcasting Co.).**

4. **ALL INDIA RADIO:** An artist playing on the Veena, one of the most ancient Indian musical instruments.

5. **SUMATRA:** An episode from a Sriwidjaja dance performed in the town of Palembang (So. Sumatra). Sriwidjaja is the name of an ancient So. Sumatra Kingdom, which flourished about the year 800 AD.

6. **INDONESIA:** A Javanese leather puppet-play; the accompanying music being Gamilan music.

Japan Columbia Rose Asahi Broadcasting Company Radio Sarawak Philippines Ate Barbara Peres DZPI Manila Broadcasting Corporation All India Radio Sumatra Indonesia Palembang Gamilan

Short Waves: Karachi II/II = 50 kW; Karachi IV/V = 10 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2420	124.0	7010	42.80	9740	30.80	15255	19.67
3335	89.96	7096.6	42.27	9755	30.75	15285	19.63
3395	88.37	7110	42.19	11570	25.93	15335	19.56
3915	76.63	7200	41.67	11580	25.91	15620	19.21
3955	75.85	7225	41.52	11650	25.75	17710	16.94
4807	62.41	7263	41.31	11674	25.70	17715	16.93
4895	61.29	7280	41.21	11725	25.58	17740	16.91
4910	61.10	7290	41.15	11770	25.49	17750	16.90
4935	60.79	9484	31.63	11810	25.40	17770	16.88
5980	50.17	9495	31.60	11845	25.33	17820	16.84
5990	50.08	9518	31.52	11885	25.24	17835	16.82
6035	49.71	9545	31.43	11914	25.18	21590	13.90
6070	49.42	9614	31.20	15135	19.83	21630	13.87
6075	49.38	9630	31.15	15145	19.81	21690	13.83
6220	48.23	9645	31.10	15160	19.79		
6235	48.12	9705	30.91	15165	19.78		

Dacca: II 7.5 kW:

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2350	127.7	5980	50.17	7225	41.51	11725	25.58
3325	90.23	6112	49.06	7623	39.29	11885	15.24
3955	75.85	6120	49.02	7655	39.19	11890	25.23
3965	75.66	7085	42.34	7667.5	39.13	15270	19.65
4807	62.41	7140	42.02	9614	31.20	15335	19.56
5970	50.25	7150	41.96	9645	31.10	17890	16.77

Lahore: II 1 kW

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2400	125.0	4807	62.41	7096	42.27	9645	31.10
3335	89.96	6030	49.75	7225	41.52	11800	25.42
3395	88.37	6075	49.38	7284	41.19	11840	25.34
3915	76.63	6138	48.88				

All frequences subject to seasonal changes.

HOME SERVICES:

MEDIUM WAVE PROGRAM:

Karachi 830 kc/s (Urdu, English, Bengali, Kashmiri, Pushto, Arabic): 01.45–03.30, 06.30–09.00, 11.30–17.30.

Lahore 1090 kc/s (Urdu, English, Punjabi): 02.00–03.30, 06.30–08.30, 11.30–17.00.

Peshawar 790 kc/s (Urdu, English, Pushto, Persian): 02.00–03.30, 07.00–08.30, 11.30–17.00.

Rawalpindi 1150 kc/s (Urdu, English, Pathohari): 02.00–03.30, 07.00–08.30, 11.30–17.00.

Dacca 1170 kc/s (Urdu, English Bengali): 01.00–03.00, 06.00–07.30, 11.00–16.30. (Third tr. is rel. by Rashali & Chittagong).

Hyderabad 1010 kc/s (Urdu, English, Sindhi): 12.00–17.00.

Quetta 1450 kc/s (Urdu, English, Baluchi): 12.00–17.00.

Abbreviations: (K Karachi, L = Lahore, P = Peshawar, R = Rawalpindi, D = Dacca, H = Hyderabad, Q = Quetta).

Nat. Music: is broadcast d. from each st. of R. Pakistan on the chunks other than those reserved for fixed point items, spoken word items and news.

N. in English: (* = incl. Wrp.)

02.30–02.45	K, L, P, R, D	06.30–06.40	K, D
08.00–08.10	K, L, P, R	13.20–13.25	Local K*
12.00–12.10	K, L, R, D	12.25–12.30	Local L*
14.45–15.00	K, H, L, Q, R, P, D	12.20–12.25	Local R

Wrp.: English: 12.29 (R), 01.20 (D), 06.00 (D), 12.10 (D).

N. in Urdu:

02.45–03.00	K, L, P, R, D	12.20–12.25	Local L*
08.10–08.20	K, L, P, R	13.45–13.55	Local P*
12.10–12.20	K, H, L, Q, P, R	12.20–12.25	Local R
15.00–15.15	K, H, L, Q, P, R, D	12.30–12.35	Local Q*
13.15–13.20	Local K*	12.55–13.00	Local D

N. in Bengali:

01.45–02.00	K, D	13.45–14.00	K, D
06.40–06.50	K, D	12.50–12.55	Local D

N. in Pushto:

03.00–03.10	K, P	12.20–12.30	K, P
07.50–08.00	K, P	13.30–13.40	Local P*

N. in Kashmiri 1/, **Sindhi** 2), **Baluchi** 3):
1/ 12.35–12.45 K, 2) 12.30–12.40 H, 3) 13.20–13.30 K, Q, 3) 12.35–12.40 Local Q*.

Mailbag:

Sun.	04.45–05.00 (K) Urdu	Sun.	13.45–14.00 (R) Urdu
Thurs.	13.45–14.00 (L) Urdu	Wed.	13.30–13.45 (H) Sindhi
Thurs.	15.15–15.30 (P) Urdu	Thurs.	13.30–13.45 (H) Urdu
Fri.	13.00–13.15 (P) Pushto	Wed.	13.00–13.15 (Q) Urdu Baluchi
		Tues.	13.30–13.45 (D) Beng.

Time-Sig. on m.w. and s.w. from Karachi: 02.00, 08.00, 12.00.

SHORT WAVE PRGR.

Karachi to W. Pakistan: 01.45–03.30, 06.30–09.00, 11.30–16.30.

	kc/s		kc/s
01.45: N. in Bengali		12.00: N. in English	
02.00: N. in English		12.10: N. in Urdu	7290
02.15: N. in Urdu	6070	12.20: N. in Pashto	9645
02.45: Karachi prgr.	7280	12.35: N. in Kashmiri	
02.50: N. in Pashto			
03.00: Karachi Prgr.		12.45: Kashmiri Prgr.	9750, 7010
07.00: Karachi Prgr.		12.45: Baluchi Prgr.	7290
07.50: N. in Pashto	9645		9645
08.00: N. in English	11845	14.00: Karachi Prgr.	
08.10: N. in Urdu		14.45: N. in English	7290
08.20: Karachi Prgr.		15.00: N. in Urdu	9645

Karachi to E. Pakistan: 01.45–03.30, 06.30–09.00, 11.30–16.30.

01.45: N. in Bengali	15335	08.00: N. in English	17750
02.00: N. in English	11885	08.10: N. in Urdu	21590
02.15: N. in Urdu		12.00: N. in English	17750
06.30: N. in English	17750	12.10: N. in Urdu	21590
06.40: N. in Bengali	21590	13.45: N. in Bengali	11914
07.00: Karachi Prgr.		14.00: As for W. Pakist.	15145

Zonal Services:

Lahore	kc/s	Dacca	kc/s	Dacca to W. Pakistan	kc/s
02.00–03.30	4807	01.00–03.00	5980	03.45–04.00	17890
06.30–08.30	7225	06.00–07.30	9614		
11.30–13.30	7096	12.00–14.00	7140		
13.45–17.00	4807	14.15–14.30	5970		

ANN.: E.: "This is Radio Pakistan, Karachi, Lahore" etc.

EXTERNAL SERVICES

	Service	kc/s	Language
00.30–01.15	So. Ea. As.	11885/15335	Urdu/English
03.45–04.45	So. Ea. Af.	21590/17820	Urdu/Gujrati
08.30–09.15	Ind.	21590/17750	English/Urdu
09.30–10.30	So. As.	11845/17750	Urdu
10.45–11.00	Gen. Overseas Sce.*	21590/17750	English
11.00–11.45	Burmese	21590/17750	Burmese
15.30–15.45	Gen. Overseas Sce.**	11914/15145	English
15.30–16.30	Afghan–Persian	4910/7290	Afghan/Persian
16.00–16.45	Iranian	6075/7010	Persian
17.00–18.00	Arabic	9484/11914	Arabic
18.15–19.00	Turkish	9740/11674	English
19.15–20.00	U. K.	9740/11674	English

*) to F. East. **) to M. East.

N.: English: 10.45–11.00, 15.30–15.45. **Gujarati:** 04.00–04.10. **Burmese:** 11.00–11.10. **Afghan/Persian:** 15.40–15.50. **Arabic:** 17.05–17.15. **Urdu:** 03.50–04.00. **Iranian:** 16.05–16.15.

ANN.: E.: "This is Radio Pakistan calling listners in (name of target area) – INT.-SIG.: A signal tune is played during interval signals. – V. by QSL-card. – F.PL.: Broadcasting House at Dacca. Sw.-tr. at Peshawar. Additional sw.- tr. at Dacca. One new mw. st. in Ea. Pakistan. One additional mw.-tr. at Karachi. – **PUB.:** "Pakistan calling" in English, Urdu, Bengali (fortnightly). Monthly pub. in Arabic, Persian, Burmese.

★ SARAWAK (British) ★

L.T.: GMT + 8 h. – **L.:** English, Malay, Chinese, Iban. – **Rcvrs.:** 5.000.

SARAWAK BROADCASTING SERVICE (Go.)

ADDR.: Broadcasting House, Kuching. – **Cable:** Broadcast. – **L.P.:** Dir. Broadc. P. Ratcliffe. Dir. Tec.: J.R. Sandison. Dir. Prgr.: I.D. Kingsley. Asst. Dir. Tec.: C.L. Fatt. Senior Prgr. Organizer: M.S. Astor.

HOME SERVICE: 04.00–05.30, 08.30–14.30.

	kc/s	m	kW		kc/s	m	kW		kc/s	m	kW
a)	850	352.9	5	c)	5052	59.39	5	d)	6060	49.50	7.5
b)	1300	230.7	0.25	c)	7160	41.90	5	d)	7270	41.27	7.5
e)	9565	31.36	0.25								

Tr's a & c, b & d used in parallel.

Languages: 04.00–05.30 English, Malay or Chinese. – **Network I:** 08.30–10.30 Malay, 10.30–12.00 English, 12.00–13.00 Malay, 13.00–14.00 English. – **Network II:** 08.30–09.30 Malay, 09.30–11.00 Chinese, 11.00–12.30 Iban, 12.30–14.00 Chinese, 14.00–14.30 English.

ANN.: E.: "This is Radio Sarawak." – V. by QSL-card or letter.

PUB.: "R. Times of Sarawak".

★ TAIWAN (Formosa) ★

L.T.: GMT + 8 h. (Su: GMT + 9 h.). – **L.:** Chinese. – **Rcvrs.:** 150.000.

BROADCASTING CORPORATION OF CHINA (Semi-Go.)

ADDR.: 53, Jen Ai Road, (Section 3), Taipei, – **Cable:** "Broadcast."

L.P.: Man. Dir.: J. Wei.

STATIONS: Taiwan Broadcasting Station and "Voice of Free China":

MEDIUM WAVES: 0.5/1/20/125 kW.

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
BED22	660	454	BED62	960	313	BED49	1210	248
BED23	720	416	BED24	1000	300	BED47	1280	234
BED2	750	400	BED53	1020	294	BED46	1330	227
BED27	840	357	BED26	1040	289	BED52	1380	217
BED28	860	349	BED9	1070	280	BED54	1410	212
BED25	890	337	BED32	1190	252	BED45	1450	207

SHORT WAVES: 0.5/3.5/20/50 kW

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
BED59	3215	93.30	BED4	11815	25.40	BED57	15345	19.55
BED29	5980	50.17	BED37	11970	25.06	BED39	17720	16.93
BED44	6090	49.26	BED38	15140	19.82	BED63	17810	16.84
BED36	9685	30.98	BED5	15225	19.70	BED35	17890	16.77

HOME SERVICE:
22.00–16.00 on 660/1070*/3215/5980/6090 kc/s. – *) exc. 06.00–09.00.
FOREIGN SERVICE – THE VOICE OF FREE CHINA:
To U.S.A.: 01.30–02.00 on 17810/15345 kc/s in English, Kuoyu.
To Japan/Korea/So.Ea.As.: 10.30–11.30, 12.00–13.55 on 11815/15345 kc/s in Japanese/Korean/English/Kuoyu/Indonesian/Vietnamese.
To Middle East: 19.20–19.40 on 11815/15225 kc/s in Arabic.
To Hong Kong/Macau/So.Ea.As.: 22.00–23.30 on 960 kc/s, 03.00–04.30 & 10.00–13.55 on 960/15225 kc/s in Chinese.
ANN.: E.: "This is the Voice of Free China broadcasting from Taipei, the Nation's capital." – V. by QSL-card.

AIR FORCE BROADCASTING STATION BEC32
ADDR.: Chungcheng Road, Taipei.
STATIONS: BEC32, Taipei: 22.00–00.30, 03.55–06.00, 09.00–16.00. 980 kc/s 306.0 m 1 kW. – 9775 kc/s 30.68 m 3 kW. – 6106 kc/s 49.14 m 3 kW.

POLICE BROADCASTING STATION (Go. sponsoring)
ADDR.: No. 1 Tientsin Road, Taipei. – L.P.: Dir. Gen.: Gen. Wuang Pee. Vice-Dir.: T. Chen-Yu. Chief Editor: Tsing Chen-Chih. Dir. Prgr.: Fe I-Hun. Dir. Tec.: Hun Chih-Sin.
HOME SCE.: 22.45–01.20, 03.55–07.10, 09.30–16.00.
BEC38 940 kc/s 319.1 m – 5960 kc/s 50.34 m 1 kW.
Chinese Opera: 04.30–05.00, 15.00–15.35. – **Chinese Songs:** 12.50–13.30. – **N.:** 23.30, 14.00, 15.45. – **Mbg.:** 23.40, 06.10, 12.30. – **Wrp.:** 01.00, 07.00, 15.00. – **English lesson:** 23.00.
ANN.: E.: "This is Taiwan Police Broadc. Station in Tapei, Taiwan".– V. by QSL-card or letter. – PUB.: Schedule on request.

CHENG SHENG BROADCASTING CORP. LTD.
ADDR.: Shih-lin, Taipei. – L.P.: Dir.: S.H .Shia.
STATIONS:

	call	kc/s	m	kW		call	kc/s	m	kW
1)	BEV34	820	365.9	0.5	2)	BEV35	1270	236.2	0.1
3)	BEC36	1480	202.7	0.5	4)	BEV60	1240	211.3	0.5
3)	BEC36	5995	50.04	3.5	5)	BEV58	1260	238.1	0.5
3)	BEC36	7300	41.10	3.5	6)	BEV72	1370	218.6	0.5

HOME SERVICE:
1) First Dept. (Taipei): W. 22.00–18.05. Sun. 02.00–17.05. – **2) Second Dept. (Taipei):** D. 22.00–17.05. – **3) The Voice of Righteousness (Taipei):** D. 22.00–23.00, 00.00–02.00, 04.00–05.45, 12.00–17.50. **N. in Mandarin:** 22.05, 00.30, 12.10, 13.10. – **E.:** 01.30–02.00. (Back to the Bible). – **Chinese Music:** D. 12.55. – **4) Cheng-Yen Broadc. St. (Southern of Taiwan):** D. 21.00–15.30. – **5) China Farmers Broadc. St. (Middle of Taiwan):** D. 21.00–00.30, 00.50–06.00, 06.25–15.00. – **6) Kung I Broadc. St. (Southern of Taiwan):** D. 22.25–01.30, 02.25–06.00, 07.55—16.00.
ANN.: BEC36: E.: "The Voice of Righteousness from Taipei." – V. by letter and QSL-card.

HUA SHENG BROADCASTING STATION
ADDR.: 27, Great West Road, Taipei. – STATION BEV70 1400 kc/s 0.5 kW: 21.55–15.15.

MILITARY BROADCASTING STATIONS (Go.)
ADDR.: of ADM.: Military Broadcasting Corps, Ministry of National Defense, Taipei.
STATIONS:

	kc/s	m	kW		kc/s	m	kW
BEC20	850	353	1	BEC26	1330	225	1.5
BEC22	1100	273.0	3		5965	50.28	1.5
BEC23	1200	250	1	BEC25	1350	223.0	1
	7140	42.02	1	BEC28	700	428.0	0.5
BEC24	1250	240.0	1.5		5950	50.42	3.5
	9510	31.55	1.5		9745	30.78	3.5

BEC20: ADDR.: Kinmen. 23.00–01.00, 04.00–06.00, 08.00–15.00
BEC22: ADDR.: No. 3 Section I Hsinyi Rd. Taipei: 22.00–00.30, 03.30–07.00, 09.30–16.00.
BEC23: ADDR.: Behind the Taichung Municipal Govt., Taichung: 22.00–01.00, 03.00–07.00, 09.30–16.00.
BEC24: ADDR.: 126 Takanpu, Kaohsiung. – **L.P.:** Dir. Lt. Col. C. Siu-cheng. – **D. PRGR.:** D. 22.00–01.00, 03.30–06.30, 09.30–16.30. **N.:** 22.45, 03.40, 10.10, 14.50. – **L.L.:** English: W. 10.30–11.00. – **Chi. Music:** 23.00, 03.50, 09.50. – ANN.: "This is the Voice of Chinese Armed Forces, R. Station BEC24 in Kaohsiung, Taiwan." – V. by QSL-card.
BEC25: ADDR.: Hualien. 22.00–24.00, 03.30–06.30, 09.30–15.30.
BEC26: ADDR.: Tsoying. D. PRGR.: as BEC24.
BEC28: ADDR.: As BEC22. 01.00–03.00, 07.00–09.00, 16.00–18.00.

ARMED FORCES RADIO TAIWAN (U.S. Armed Forces)
ADDR.: APO63, San Francisco, California, U.S.A.
L.P.: Mgr.: CWO H.L. Arison Jr. Dir. of Prgr.: J.M. Brooks
D.PRGR. in English: 22.00 (Sun. 00.00)–16.05.
1560 kc/s 192 m 1 kW – 7215 kc/s 41.58 m 1 kW
N.: 22.30, 23.30 (Sun. 00.00), 03.00, 10.00, 14.00, 16.00.
ANN.: "Armed Forces Radio Taiwan, in Taipei" followed by time check and service announcement. – V. by QSL-card.

★ THAILAND ★

L.T.: GMT+7 h. – L.: Thai. – Rcvrs.:220.000.

THE THAI NATIONAL BROADCASTING STATION (Go.)
ADDR.: Public Relations Department, Bangkok. – Cable: "Radio Thailand".
HOME SERVICE: D. 00.00–01.00, 12.00–15.30.

	kc/s	m	kW		kc/s	m	kW
HSK	825	363.0	10	HSK6	7140	42.02	1
HSK	4830	62.10	1	HSK7	11910	25.18	0.5
HSK5	6070	49.42	1	HSK8	15630	19.19	0.25

N.: 00.25, 13.00.
FOREIGN SERVICE: HSK9 11670 kc/s 25.71 m 50 kW.
General Overseas Sce.: 10.25–11.57. **N. in English:** 10.30. – **Rel. Home Sce.:** 13.00–14.00.
No. American Service: 04.15–05.15. **N. in E.:** 04.25.
ANN.: E.: "This is the Overseas Broadcasting Station of Thailand", in between: "This is Radio Thailand" or "This is HSK transmitting the...of Radio Thailand". – INT.-SIG.: Chimes. – V. by QSL-card and letter. Adress reports to: The Overseas Broadcasting Division, Public Relations Dept., Bangkok, Thailand.

MINISTRY OF EDUCATION (Go.)
ADDR.: Division of Educational Inf. Ministry of Education, Bangkok. Studio: Technical College, Bangkok. – L.P.: Pres. of Executive Board for Education Broadc. Sce.: M.L. Pin Malakul. St. Mgr.: S. Herabutra. Secr. Gen. & Chief of Div. of Educational Inf.: Mrs. Ambhorn Meesook, Dir. Tec.: S. Hongpromyat.
HOME SCE.: 11.00–14.00 in Thai & English:
1172.5 kc/s 255 8 m2 kW – 6062 kc/s 49.48 m 2 kW – 3202 kc/s 93.69 m 2 kW.
N.: 11.35, 13.00. English: Wed. 11.50–12.10; One Tues. & One Thurs. monthly 12.10–13.00.
ANN.: E.: "This is the Education Broadcasting Station of Thailand, broadcasting on a frequency of 1172.5 kc/s, 3.202 and 6.062 megacycles, or with a wavelength of 255.8 m, and in the 100 and 50 m.b.". – V. by letter. – F.PL.: Increase 10 kW.

PITUKSUNTIRADSE RADIO STATION (Police Broadcasting Station-Go.)
ADDR.: Paruksakaveen Palace, Bangkok. – L.P.: Dir. Gen. Gen. Brig. C. Umpatami. Dir. Tec.: Pol. Col. C. Serigabute.
HOME SCE. in Thai.: HSQ – 1 kW: 09.00–15.00.
900 kc/s 333 m – 4770 kc/s 62.89 m – 7080 kc/s 42.37 m.
N.: 11.30–11.45. – L.L.: English: 10.00–10.20.
FOREIGN SCE. in Arabic & Malay: 01.30–04.00 on all freqs.
F.PL. FM st. in 1958.

RADIO STATION HS1PN (Go.-Experimental)
Operated by R. Division, Royal Thai Post & Telegraph Dept.
ADDR.: HS1PN, Radio Tecnical Section, Wat Lieb, Bangkok. – L.P.: Dir. of Tec. & Prgr.: S. Powtongsook.
HOME SCE in Thai: W. 05.00–06.00, 09.00–15.00. Sun.: 00.30–05.15, 09.00–15.00 on all freqs. (0.5 kW)
HS1PN 1010 kc/s 297.00 m – HS3PN 5955 kc/s 50.38 m
HS2PN 4755 – 63.10 – – HS4PN 7035 – 42.64 –
Thai Music: Sun. 00.30; Mo., Fri. 10.00, Sat. 13.10.
ANN.: Thai: "Niing Por Nor".
THAI ARMY RADIO, Bangkok: 23.00–15.00.
5790 – 51.81 – 0.25 – 4878 – 61.50 – exp.
THAI AIR FORCE STATION, Don Muang: Mo.–Fri. 12.00–14.30.
6540 – 45.87 – 0.25 –
THAI NAVY STATION: 04.00–07.00, 12.00–15.00.
6100 – 49.18 – 0.25 –

★ VIETNAM ★

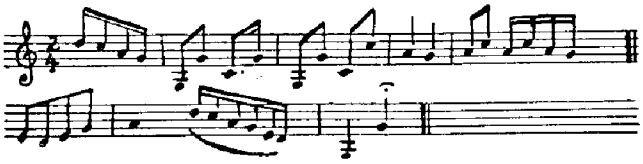
VIETNAM, SOUTH
L.T.: GMT + 7 h. – L.: Vietnamese, French, Chinese. Rcvrs.: 50.000.

THE NATIONAL BROADCASTING SYSTEM OF THE REPUBLIC OF VIETNAM (Go.).
Called "VTVN" (Standing for Vô-Tuyên Viêtnam).

ADDR.: 3 Duong Phan-dinh-Phung, Saigon.
L.P.: Dir. Gen.: Buu-Tho. Asst. Dir., Dir. Tec.: N. Dinh-Thu. Dir. Prgr.: Buu-Nghi. Dir. Adm.: V. van Sieng.
STATIONS: Radio VTVN Saigon:

3WT 17	838kc/s	358m	1kW	3WT 13	6165kc/s	48.67m	1kW
3WT 16	1090 –	275 –	5 –	3WT 12	7260 –	41.32 –	12 –
	1360 –	220 –	1 –	3WT 11	9620 –	31.19 –	12 –
					9754 –	30.76 –	25 –

HOME SCE.:
A. Vietnamese on 1090/6165/9754kc/s: 22.45–02.30, 04.00–06.35, 09.00–16.00. – Wrp.: 23.05, 05.35, 06.30.
B. Vietnamese Army Prgr., English on 838/7260kc/s:
Vietnamese Army: 23.00–00.15, 04.30–06.15, 10.00–13.15.
English: 00.15–00.45, 06.15–07.00, 13.45–14.45.
Thai: 00.45–01.15, 13.15–13.45.
C. French, Chinese, Cambodian on 1360/9620kc/s:
Cambodian: 11.00–11.30, French: 00.00–01.00, 05.00–06.00, 11.30–15.30. – Chinese: 01.00–02.15, 06.30–08.15, 10.00–11.00.
FOREIGN SCE. in English, Cambodian, Thai:
English on 838/7260kc/s: 00.15–00.45, 06.15–07.00, 13.45–14.45.
Cambodian on 1360/9620kc/s: 11.00–11.30.
Thai on 838/7260kc/s: 00.45–01.15, 13.15–13.45.
ANN.: Vietnamese: "Day la Dai Phat-thanh VTVN Saigon, Tiêng Noi Nuoc Vietnam Cong-Hoa". French: "Ici Radio VTVN Saigon, la voix de la République du Vietnam.
English: "This is Radio VTVN Sàigón, the Voice of the Republic of Vietnam bringing you our English-language broadcast".
INT.-SIG.: For both Sce.s:



V. by QSL-card.
REGIONAL STATIONS (in Vietnamese only):
R. VTVN HUE: 22.30–23.30, 02.30–03.30, 04.30–05.30, 10.00–13.50. 1150kc/s 261m 1kW – 7205kc/s 41.64m 1kW.
R. VTVN Dalat: 23.00–24.00, 10.00–12.45.
1440kc/s 208m 1kW – 6180kc/s 48.54m 1kW.
R. VTVN Nhatrang: 1490kc/s 201m 1kW.
23.00–00.30, 04.30–06.30, 10.30–14.00.

DEMOCRATIC REPUBLIC OF VIETNAM

L.T.: GMT + 7 h. – L.: Vietnamese, English, French, Cambodian. Chinese, Laotian.

THE VOICE OF VIETNAM (Go.).

ADDR.: No. 58, Quan-Su Street, Hanoi.
HOME SCE. in Vietnamese:

1100kc/s	273m	7400kc/s	40.54m	12000kc/s	25.00m
6100 –	49.18 –	9400 –	31.92 –	15000 –	20.00 –

22.30–01.30 1100/6100/9400/12000kc/s (23.30–01.15 also 7400/15000 kc/s).
04.30–05.30, 06.00–07.15 all freq's. (06.00–06.15) exc. 7400/15000kc/s).
11.00–15.15 all freq.'s.
N.: 22.45, 23.00, 01.15, 04.30, 11.00, 14.00. – L.L.: (Russian) 22.30, 06.00. – Dictation N.: 23.30–01.15. 06.00–06.15,
FOREIGN SCE. (all freq.'s):
English: 22.00–22.30 (dictation) 6100/9400/12000kc/s. 09.30–10.00, 15.15–15.45. – French: 05.30–06.00. – Standard Chinese: 03.30–04.00. – Cantonese: 10.00–10.30. Cambodian: 04.00–04.30. Laotian: 10.30–11.00.
ANN.: English: "This is the Voice of Vietnam, Hanoi". – V. by QSL-card or letter.

★ VOLCANO ISLANDS ★

L.T.: GMT+9 h. – L.: English.
A.F.R.S. FEN Iwo-Jima 1500 kc/s 200 m 0.1kW: 21.00–15.05.
D. PRGR.: see FEN-Japan. – ANN.: E.: "FEN Iwo-Jima".

PACIFIC

★ AUSTRALIA ★

L.T.: E.Au.: GMT+10 h.; S.Au.: GMT+9½ h.; W.Au.: GMT+8 h.
L.: English. – Rcvr.: 2.107.253.

AUSTRALIAN BROADCASTING COMMISSION (ABC)

The Australian National Broadcasting Sce. prgrs. are the responsibility of the ABC, which is responsible to the Postmaster-General. The technical sces. for Sound are provided by the Postmaster-General's Dept., and for TV by ABC staff.

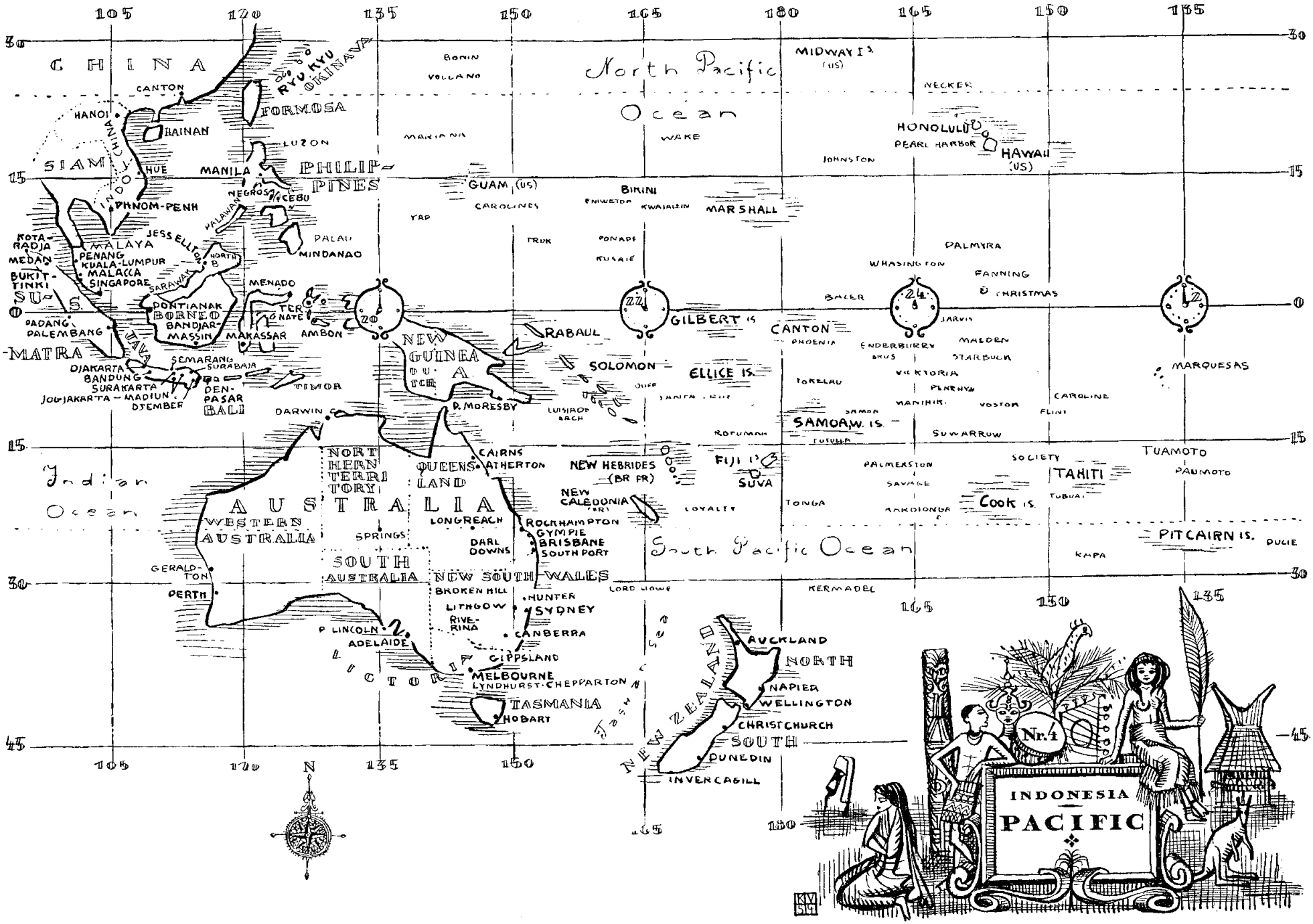
ADDR.: Head Office: Australian Broadcasting Commission, 264 Pitt Street, Sydney. – Overseas Sce.: Radio Australia, P.O.Box 428, G, G.P.O., Melbourne. – Cable: ABCOM SYDNEY.
L.P.: Chairman: Sir Richard Boyer. Vice-Chairman: E. R. Dawes. Gen. Mgr.: C. J. A. Moses. Asst. Gen. Mgr.: A. N. Finlay. Controller of Prgr.: Dr. K. L. Barry. Controller Adm.: E. K. Sholl. Dir. Music: H. Cannon. Dir. Drama & Features: N. Hutchison. Dir. Youth Education: C. Bull. Dir. Talks: A. Carmichael. Supervisor Religious Broadc.: Dr. J. Munro. Dir. Rural Broadc.: J. Douglass. Supervisor Sporting Broadc.: B. Kerr. Supervisor Childrens Hour: J. Appleton. Concert Mgr.: R. Lamb. Editor-in-Chief: W. Hamilton. Dir. Prgrs. (Overseas): P. W. R. Homfray.

THE NATIONAL BROADCASTING SERVICE
MEDIUM WAVE SERVICE *=Metropolitan. **=Regional.

Call	kc/s	kW	Name/Location	h. of tr.
Australian Capital Territory				
2CY**	850	10	Canberra	20.00(Sun.20.30)–13.30(Sat.14.00)
2CN*	1540	2	Canberra	20.00–13.00(daily)
New South Wales				
2CR**	550	10	Orange	20.00(Sun.20.30)–13.30(Sat.14.00)
2ML**	560	0.2	Murwillumbah	20.00(Sun.20.30)–13.30(Sat.14.00)
2FC*	610	10	Sydney	20.00–13.30(Sat.14.00)
2NU**	650	10	Tamworth	20.00(Sun.20.30)–13.30(Sat.14.00)
2CO**	670	10	Albury	– – – –
2KP**	680	10	Kempsey	– – – –
2NR**	700	10	Grafton	– – – –
2TR**	720	0.2	Taree	– – – –
2BL*	740	10	Sydney	20.00(Sun.20.30)–13.00
2NB**	760	1	Broken Hill	20.30(Sun.21.00)–14.00(Sat.14.30)
2BA**	810	10	Bega	20.00(Sun.20.30)–13.30(Sat.14.00)
2GL**	820	10	Glen Innes	20.00(Sun.20.30)–13.30(Sat.14.00)
2NC**	1230	2	Newcastle	20.00(Sun.20.30)–13.00
2NA**	1510	10	Newcastle	20.00–13.30(Sat.14.00)
2LG**	1570	0.2	Lithgow	20.00(Sun.20.30)–13.30(Sat.14.00)
Victoria				
3WV**	580	10	Horsham	20.00(Sun.20.30)–13.30(Sat.14.00)
3AR*	620	10	Melbourne	20.00–13.00(Sat.14.00)
3LO*	770	10	Melbourne	20.00(Sun.20.30)–13.00
3GI**	830	7	Sale	20.00(Sun.20.30)–13.00(Sat.14.00)
3WL**	1570	0.2	Warrnambool	– – – –
Queensland				
4QL**	540	10	Longreach	20.00(Sun.20.30)–13.30(Sat.14.00)
4QR*	590	10	Brisbane	20.00(Sun.20.30)–13.00
4AT**	600	0.5	Atherton	20.00(Sun.20.30)–13.30(Sat.14.00)
4QN**	630	7	Townsville	– – – –
4QA**	720	2	Mackay	– – – –
4QS**	750	10	Toowomba	– – – –
4QG*	790	10	Brisbane	20.00–13.30(Sat.14.00)
4RK**	840	10	Rockhampton	20.00(Sun.20.30)–13.30(Sat.14.00)
4QB**	910	2	Maryborough	– – – –
4QY**	940	2	Cairns	– – – –
4GM**	1570	0.2	Gympie	– – – –
4SO**	1590	0.2	Southport	– – –
South Australia				
5CK**	640	10	Port Pirie	20.30(Sun.21.00)–14.00(Sat.14.30)
5CL*	730	5	Adelaide	20.30–14.00(Sat.14.30)
5AN*	890	2	Adelaide	20.30(Sun.21.00)-14.00(Sun.13.30)
5PA**	1160	2	Penola	20.30(Sun.21.00)-14.00(Sat. 14.30)
5LN**	1530	0.2	Port Lincoln	– – – –
5WM**	1580	0.05	Woomera Rocket Range	– – – –
5MG**	1580	0.2	Mt. Gambier	– – – –
5MV**	1590	2	Renmark	– – – –
Western Australia				
6WA**	560	50	Wagin	22.00(Sun.22.30)–15.30(Sat.16.00)
6NM**	600	0.2	Northam	– – – –
6AL**	650	0.4	Albany	– – – –
6WF*	690	5	Perth	22.00–15.30(Sat.16.00)
6GF**	720	2	Kalgoorlie	22.00(Sun.22.30)–15.30(Sat.16.00)
6WN*	810	10	Perth	22.00(Sun.22.30)–15.00
6GN**	830	2	Geraldton	22.00(Sun.22.30)–15.30(Sat.16.00)
Tasmania				
7QN**	540	0.2	Queenstown	20.00(Sun.20.30)–13.30(Sat.14.00)
7ZL*	600	2	Hobart	20.00–13.30(Sat.14.00)
7NT**	710	10	Launceston	20.00(Sun.20.30)–13.30(Sat.14.00)
7ZR*	940	2	Hobart	20.00 (Sun.20.30)–13.00
Northern Territory				
5DR**	1500	0.2	Darwin	20.30(Sun.21.00)–14.00(Sat.14.30)
5AL**	1530	0.2	Alice Springs	– – – –
Papua				
9PA	1250 kc/s	0.5 kW	Port Moresby	

Mo.–Fri.: 20.45–04.45, 06.00–12.45. Sat.: 20.45–23.30, 02.00–13.00. Sun.: 21.45–04.00, 06.00–12.00.
FM SERVICE (Exp.). D.: 01.00–13.00, exc. Adelaide: D. 01.30–13.30.

Melbourne	91.1 mc/s	2 kW	Sydney	92.1 mc/s	2 kW
Brisbane	91.1 –	1 –	Adelaide	97.3 –	3 –



CHINA
CANTON
HANOI
HAINAN
RYU KYU
OKINAWA
FORMOSA
LUZON
MANILA
PHILIP-PINES
NEGROS
CEBU
PALAWAN
PALAU
MINDANAO
SIAM
HUE
PHNOM-PENH
INDO-CHINA
KOTA-RADJA
MEDAN
BUKIT-TINKI
MALAYA
PENANG
KUALA-LUMPUR
MALACCA
SINGAPORE
JESSELTON
NORTH B
SARAWAK
MENADO
PONTIANAK
BORNEO
BANDJAR-MASSIN
TER-NATE
MAKASSAR
AMBON
SU-S.
PADANG
PALEMBANG
MATRA
JAVA
DJAKARTA
BANDUNG
SURAKARTA
JOGJAKARTA – MADIUN
DJEMBER
SEMARANG
SURABAJA
DEN-PASAR
BALI
TIMOR
DARWIN
NEW GUINEA
DUTCH
P. MORESBY
RABAUL
SOLOMON
LUISIADE ARCH
NORTHERN TERRITORY
QUEENSLAND
CAIRNS
ATHERTON
AUSTRALIA
WESTERN AUSTRALIA
SPRINGS
LONGREACH
DARLDOWNS
ROCKHAMPTON
GYMPIE
BRISBANE
SOUTH PORT
SOUTH AUSTRALIA
NEW SOUTH WALES
GERALDTON
PERTH
BROKEN HILL
LITHGOW
HUNTER
SYDNEY
RIVERINA
CANBERRA
P. LINCOLN
ADELAIDE
GIPPSLAND
MELBOURNE
LYNDHURST-CHEPPARTON
TASMANIA
HOBART
VICTORIA
Indian Ocean
North Pacific Ocean
South Pacific Ocean
BONIN
VOLCANO
MARIANA
GUAM (US)
CAROLINES
YAP
TRUK
PONAPE
KUSAIE
BIKINI
ENIWETOK
KWAJALEIN
MARSHALL
WAKE
MIDWAY IS. (US)
NECKER
HONOLULU
PEARL HARBOR
HAWAII (US)
JOHNSTON
PALMYRA
WHASINGTON
FANNING
CHRISTMAS
BACER
GILBERT IS.
CANTON
PHOENIX
ENDERBURRY
BRUS
JARVIS
MALDEN
STARBUCK
VICTORIA
PENRHYN
MANIHIKI
VOSTOK
CAROLINE
FLINT
MARQUESAS
ELLICE IS.
TOKELAU
SAMOA
SAMOA, W. IS.
ROTUMAH
TUTUILA
SUWARROW
NEW HEBRIDES (BR FR)
FIJI IS.
SUVA
PALMERSTON
SAVAGE
SOCIETY
TAHITI
TUAMOTO
PAUMOTO
NEW CALEDONIA (FR)
LOYALTY
TONGA
KARDIONGA
COOK IS.
TUBUAI
PITCAIRN IS.
DUCIE
KAPA
LORD HOWE
KERMADEC
NEW ZEALAND
AUCKLAND
NORTH
NAPIER
WELLINGTON
CHRISTCHURCH
SOUTH
DUNEDIN
INVERCAGILL
Tasman Sea
N
Nr. 4
INDONESIA
PACIFIC

DOMESTIC SHORT WAVE SERVICE

ADDR.: Sydney: A.B.C., Box 487, G.P.O. – **Melbourne:** A.B.C., Box 1686, G.P.O. – **Brisbane:** A.B.C., Box 293 E, G.P.O. – **Perth:** A.B.C., Box 190 D, G.P.O. – **Port Moresby:** A.B.C., Port Moresby.

STATIONS: Sydney: VLI (2 kW). – **Melbourne:** VLH (10 kW), VLR (5 kW). – **Brisbane:** VLQ & VLM (10 kW). – **Perth:** VLW (2 kW) & VLX (10 kW). – **Port Moresby:** VLT (2 kW).

Call	kc/s	m	h. of tr.
VLI6	6090	49.26	20.00(Sun.20.30)–13.30(Sat.14.00)
VLH11	11880	25.25	20.00(Sun.20.30)–23.15(Sat.22.45)
VLH15	15230	19.70	23.30(Sat.23.00)–08.15
VLH9	9680	30.99	08.30–13.30(Sat.14.00)
VLR6	6150	48.78	20.00(Sun.20.30)–22.15(Sat.22.30), 08.30–13.00
VLR9	9680	30.99	22.30(Sat.22.45)–08.30
VLQ9	9660	31.06	20.00(Sun.20.30)–13.30(Sat.14.00, Sun. 13.00)
VLM4	4920	60.98	20.00(Sun.20.30)–13.30(Sat.14.00)
VLW9	9610	31.22	22.00(Sun.22.30)–24.00, 10.20–15.30(Sat.16.00)
VLW11	11840	25.36	00.15–10.05
VLX4	4897	61.25	22.00(Sun.22.30)–24.00
VLX	9610	31.22	00.15–10.05
VLX6	6130	48.94	10.20–15.30
VLT6	6130	48.94	Mo.–Fri.: 20.45–04.45, 06.00–12.45. Sat.: 20.45–22.30, 02.00–13.00. Sun.: 21.45–04.00, 06.00–12.00.

N.: 20.45, 21.45 (Sun. 22.45), 02.30, 03.30, 06.00 (BBC & Au.), 09.00, 11.00, 13.00 (BBC & Au).

NOTE: Although times are in GMT, Calendar days apply to the Ea. States of Au. only. – **ANN.:** Expl.: "This is A.B.C... 2 BL Sydney, 2 NC Newcastle and New South Wales Regional. Stations... the time is...". – **INT.-SIG.:** Three Gongs (C.F.A.). – **PUBL.:** The ABC Weekly. – R. Australia Prgr. Guide. – Schools Broadcasts booklets.

OVERSEAS SERVICE (R. AUSTRALIA)

ADDR.: Radio Australia, P.O.Box 428 G, G.P.O., Melbourne.

Transmitters: Shepparton VLA, VLB 100 kW, VLC, VLD 50 kW. **Lyndhurst** VLG 10 kW.

VLA6, VLB6, VLC6, VLD6, VLG6:
6070 kc/s 49.42 m 6170 kc/s 48.62 m

VLA7, VLB7, VLC7, VLD7, VLG7:

kc/s	m	kc/s	m
7135	42.05	7220	41.55
7205	41.64	7240	41.44
7215	41.58	7280	41.21

VLA9, VLB9, VLC9, VLD9, VLG9:

kc/s	m	kc/s	m
9510	31.55	9580	31.32
9520	31.51	9615	31.20
9540	31.45	9635	31.14
9560	31.28	9650	31.09
		9680	30.99

VLA11, VLB11, VLC11, VLD11, VLG11:

kc/s	m	kc/s	m
11710	25.62	11840	25.34
11740	25.55	11850	25.32
11760	25.51	11870	25.27
11770	25.49	11880	25.25
11810	25.40	11900	25.21
		11945	25.12

VLA15, VLB15, VLC15, VLD15, VLG15:

kc/s	m	kc/s	m
15120	19.84	15230	19.70
15160	16.79	15240	19.68
15175	19.77	15315	19.59
15200	19.74	15320	19.58
15210	19.72	15425	19.45
15220	19.71		

VLA17, VLB17, VLC17, VLD17, VLG17:

kc/s	m	kc/s	m
17710	16.94	17840	16.82
17790	16.86	17860	16.80
17800	16.85		

VLA21, VLB21, VLC21, VLD21, VLG21:

kc/s	m	kc/s	m
21475	13.97	21600	13.89
21540	13.93	21680	13.84
21590	13.90		

VLA25, VLB25, VLC25, VLD25:

kc/s	m	kc/s	m
25675	11.68	25820	11.62

SERVICES:
I: So., So. Ea. & So. We. As. – II: No. Ea. As., No. Pa. Isl. – III: So. Pa. Isl. – IV: Mid. Pa. Isl. – V: Br. Isl., Eu. – VI: No. Am. (Ea.). – VII: No. Am. (We.). – VIII: Af.

		1*) kc/s	2*) m. b.	3*) m. b.	4*) m. b.
ENGLISH:					
I:	22.14–22.30	21540/17840/15160	13–16–19	13–16–19	13–16–19
	22.30–23.30	21540	13	13	13
	23.30–00.30	21540/17840/15160	13–16–19	13–16–19	13–16–19
	00.30–05.45	21540/17840	13–16	13–16	13–16
	05.45–06.45	21540/17840	13	13	13–16
	06.45–07.30	21540/17840/15160	13–19	13–19	13–16–19
	07.30–09.30	21540/15160	13–19	13–19	13–19
	09.30–09.45	21540/15160/7220	13–19–41	13–19–41	13–19–41
	09.45–10.00	15160/7220	19–41	19–41	19–41
	10.00–13.15	9580	31	31	31
	13.15–13.30	9580/7220	31–41	31–41	31–41
	13.30–14.00	11710/9580/7220	25–31–41	25–31–41	25–31–41
	14.00–15.00	11710/11810/9580/7220	25–31–41	25–31–41	25–31–41
	15.00–17.30	11710/9580/7220	25–31–41	25–31–41	25–31–41
II:	20.59–00.30	17790	16	16	16
	07.44–10.00	11810	25	25	25
	10.00–12.00	15200/11810	19–25	19–25	19–25
	12.00–14.00	15200	19	19	19
III:	20.00–22.00	15315	19	19	19
	04.29–06.45	15200	19	19	19
	06.45–07.30	15200	19–25	19–25	19–25
	07.30–09.15	11710	19–25	19–25	25
IV:	20.00–22.00	17840	16	16	16
	08.30–09.45	11760	25	25	25
V:	06.00–06.45	–	19	19	–
	06.45–07.30	–	19–25	19–25	–
	07.44–09.00	11710		–	25
VI:	12.14–13.45	11810	25	25	25
VII:	15.14–16.15	11810	25	25	25
VIII:	04.29–05.45	21680	13	13	13
FRENCH:					
I:	06.00–06.45	15160	19	19	19
III/V:	06.00–06.45	15200	25	25	19
IV:	07.30–08.30	11760	25	25	25
INDONESIAN:					
I:	22.30–23.30	17840/15160	16–19	16–19	16–19
	10.00–11.00	15160/7220	19–41	19–41	19–41
MANDARIN:					
I/II:	11.00–12.15	15160/7220	19–41	19–41	19–41
THAI:					
I:	12.15–13.15	15160/7220	19–41	19–41	19–41

*) 1 = Jan.-March; 2 = Apr.-June; 3 = July-Sept.; 4 = Oct.-Dec.

"All Radio Australia freq. are subject to alteration and the details of any proposed changes are given in the transmissions concerned for three days before becoming effective and in the "Transmission Parade" and "DX-ers Calling"."

FIXED PROGRAMMES in English:
MAILBAGS: (Pa.) Sat. 22.30; Sun.: 04.45, 11.30, 16.45. – (N.Am.) Sun.: 13.00, 15.45. – (Br.Is. and Eu.) Sun. 08.15: per 1–4, 06.30: per 2–3. – **N.:** 00.15, 04.00, 05.00, 05.15, 06.00 (BBC), 07.00 per. 2–3, 08.30 per. 1–4, 09.00, 10.25 (dictation), 11.00, 12.15, 13.00, 13.15, 14.00, 15.30, 17.00, 20.30, 21.45, 23.15. – **N. COMMENTARIES:** Mo. to Fri.: 07.10 per. 2–3, 08.40 per. 1–4, 09.10, 11.10, 13.10, 13.25, 14.10, 15.40, 17.10. – **REQUEST PRGR.: "Music while you work":** Mo.–Fri. 05.30. – **"As You Like It":** Mo.–Fri. 17.15. – **"Listener's Choice":** Sun. 11.15, Sat. 14.10, Sun.–Fri. 14.30. – **"Music by Request":** W. 23.30. – **"My Song Goes Round the World":** Sat.: 11.15, 12.25, 16.30, 21.15, Sun.: 00.30, 04.30, Mo. 08.00 per. 1–4, 06.15 per. 2–3. –

RELIGIOUS: "Readings from the Bible": Sun.–Thurs. 21.10. – **"Pause a Moment":** Sun.–Thurs. 23.55. – **R. Service:** Sat. 23.30. – **"In Quires and Places Where they Sing":** Sun.: 11.45, 12.25, 15.16, 08.00 per. 1–4, 06.30 per. 2–3. – **NATIONAL MUSIC: "Australian Artists Perform":** Mo. 15.45, 22.45, Tues. 05.00, 07.30 per. 2–3, 08.00 per. 1–4, Thurs. 22.45, Fri.: 04.30, 07.30, 15.45. – **"Young Australians Recitals":** Mo.–Fri. 03.30, Sun.: 03.30, 05.00, 16.30, Thurs. 06.45 per. 2–3, Wed. 08.00 per. 1–4. – **SPORT:** Mo.–Wed. 08.30–08.45, Thurs.–Sat. 08.30–08.55, W. 12.15, Sat. 02.45–07.30, Wed. 06.02 per. 2–3, 07.46 per. 1–4, 13.32, 15.16, 20.45, Thurs. 05.30. – **DX-PRGR.: DX'ers Calling** : Sat. 22.00, Sun. 05.30, 07.15 per. 2–3, 08.45 per. 1–4, 13.30, 16.00. – **WRP.:** Official wrps. are not broadcast in the Overseas Sce., however, the state of Melbourne weather is given at the start of E. language tr. – **PRGR. PREVIEW:** A prgr. summary is given at the start of each daily tr. A preview of tomorrow's prgr. is given three minutes before the close of each daily tr. – **TRANSMISSION PARADE:** Fri.: 20.20, 22.10, Sat.: 05.25, 05.40, 06.42 per. 2–3, 08.50 per. 1–4, 13.10, 14.55.

FIXED PROGRAMMES in French, Indonesian, Thai, Mandarin:
FRENCH: N.: 06.15, 07.45. – **N. Commentary:** 06.35, 07.55. – **Mbg.:** Sun.: 06.30, 08.15. – **INDONESIAN: N.:** 10.30, 23.00. – **N. Commentary:** 10.42. – **Mbg.:** Sat. 23.10, Sun. 10.42. – **MANDARIN: N.:** 11.30. – **N. Commentary:** 11.40. – **Mbg.:** Sun. 11.15. – **THAI: N.:** 12.45. – **N. Commentary:** 12.55. – **Mbg.:** Sun. 12.30.

ANN.: "This is Radio Australia transmitting the Overseas Service from the Melbourne studios of the A.B.C. – You are tuned to R. Australia, the Overseas Service of the A.B.C.". Transmitter callsigns, freq's and wavelengths are given at frequent intervals.

TUNING AND INT.-SIG.: Music Box playing "Waltzing Matilda" for five minutes preceding transmissions. Prgr. commence with the Melbourne Post Office Clock chimes and the laugh of the Kookaburra. – **V.** Listener's reports are welcomed and should cover at least 15 min. prgr.-reception data. All correct reports are confirmed by QSL-card. – **PUB.:** A 36-page prgr.-booklet is available free upon application to "R. Australia".

PRIVATELY OWNED COMMERCIAL BROADC. STATIONS
Associated in a body called: **The Australian Federation of Commercial Broadcasting Stations: Addr.:** Wingello House, Angel Place, Sidney. – **The Australian Broadcasting Control Board: Addr.:** 494-503, Collins Str., Melbourne, C. 1. is a Government Authority for the planning of broadcasting services and insuring that their technical operations and prgr. services are of adequate standards. 2CH is controlled by the

New South Wales Council of Churches and 2SM by the Roman Catholic Church, and 5KA and 5AU by the Methodist Church. D.= Daylight Power. N.=Night Power.

New South Wales

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
[1]) 2CH	1170	5	[14]) 2GF	1210	2/1	[27]) 2NX	1360	2
[2]) 2GB	870	5	[15]) 2GN	1380	2	[28]) 2MN	1460	0.5
[3]) 2KY	1020	5	[16]) 2GZ	990	2	[29]) 2NZ	1190	2
[4]) 2SM	1270	5	[17]) 2HD	1140	2	[30]) 2PK	1400	0.5
[5]) 2UE	950	5	[18]) 2KA	780	2/1	[31]) 2QN	1520	2
[6]) 2UW	1110	5	[19]) 2KM	980	2/1	[32]) 2RE	1560	2/0.5
[7]) 2AD	1130	2/1	[20]) 2KO	1410	2	[33]) 2RG	1070	2/1
[8]) 2AY	1490	2	[21]) 2LF	1340	2	[34]) 2TM	1300	2
[9]) 2BE	1480	1	[22]) 2LM	900	2/1	[35]) 2VM	1530	2/0.5
[10]) 2BH	660	0.2	[23]) 2LT	1370	0.5	[36]) 2WG	1150	2
[11]) 2BS	1500	2	[24]) 2MG	1450	0.5	[37]) 2WL	1430	2
[12]) 2CA	1050	2	[25]) 2MO	1080	1	[38]) 2XL	920	1
[13]) 2DU	1250	2	[26]) 2MW	1440	2/1			

Victoria

[39]) 3AK	1500	0.5	[46]) 3BA	1320	1	[53]) 3NE	1600	2/1
[40]) 3AW	1280	5	[47]) 3BO	960	1	[54]) 3SH	1330	2
[41]) 3DB	1030	5	[48]) 3CS	1130	1	[55]) 3SR	1260	2
[42]) 3LK	1090	2	[49]) 3CV	1440	1	[56]) 3TR	1240	2
[43]) 3KZ	1180	5	[50]) 3GL	1350	1	[57]) 3UL	880	2/1
[44]) 3UZ	930	5	[51]) 3HA	1000	2	[58]) 3YB	1210	1
[45]) 3XY	1420	5	[52]) 3MA	1470	2			

Queensland

[59]) 4BC	1120	2	[66]) 4CA	1010	1	[73]) 4RO	1000	2
[60]) 4BH	1390	2	[67]) 4GR	860	2	[74]) 4SB	1060	2
[61]) 4BK	1290	2	[68]) 4GY	1350	2/0.5	[75]) 4TO	780	2/1
[62]) 4AK	1220	2	[69]) 4IP	1010	1	[76]) 4VL	920	1
[63]) 4KQ	690	2/1	[70]) 4LG	1100	2	[77]) 4WK	880	2/1
[64]) 4AY	960	2/1	[71]) 4MB	1160	2	[78]) 4ZR	1480	2/1
[65]) 4BU	1330	2	[72]) 4MK	1380	2			

South Australia

[79]) 5AD	1310	2	[82]) 5SE	1370	0.5	[85]) 5AU	1400	0.5
[80]) 5MU	1460	0.5	[83]) 5DN	970	2	[86]) 5RM	800	2
[81]) 5PI	1040	2	[84]) 5KA	1200	2			

Western Australia

[87]) 6IX	1240	0.5	[92]) 6NA	920	2	[97]) 6PR	880	0.5
[88]) 6WB	1070	2	[93]) 6PM	1130	0.5	[98]) 6TZ	960	2
[89]) 6MD	1100	2	[94]) 6AM	980	2	[99]) 6CI	1340	2
[90]) 6BY	900	2	[95]) 6GE	1010	2	[100]) 6VA	1370	2
[91]) 6KY	1320	0.5	[96]) 6KG	1210	2			

Tasmania

[101]) 7AD	900	0.5	[104]) 7HO	860	2	[107]) 7QT	720	0.5
[102]) 7BU	560	0.5	[105]) 7HT	1080	2	[108]) 7SD	1450	0.5
[103]) 7EX	1010	2	[106]) 7LA	1100	2			

[1]) **Amalgamated Wireless**, Sydney. – **D. Prgr.**: 19.30–14.00.
[2]) **Broadc. St. 2GB, Pty**, Sydney. – **L.P.**: Dir. Gen.: S.R.I. Clark. Mgr.: B.C. Button. – **D. Prgr.**: 19.30–13.15.
[3]) **2KY Broadc. St.**, Sydney. – **D. Prgr.**: 19.45–14.00.
[4]) **Broadc. St., 2SM**, Sydney. – **D. P.**:W.H. Stephenson. Dir. Tec.: O. Stubbs. – **D. Prgr.**: 19.30–13.00.
[5]) **R. 2UE**, Sydney, Sydney. – **L.P.**: Man. Dir.: S.P. Lamb. Gen. Mgr.: A.D. Faulkner. – **D. Prgr.**: D. 24 h. – **V.** by QSL-card.
[6]) **Commonwealth Broadc. Co.**, Sydney. – **L.P.**: Gen. Mgr.: L.C. Hynes. – **D. Prgr.**: D. 24 h. – **V**, by letter.
[7]) **New England Broadcasters**, Armidale. – **D. Prgr.**: 20.00–12.30.
[8]) **Amalgamated Wireless**, Albury. – **D. Prgr.**: 20.00–13.30.
[9]) **St. 2BE**, Bega. – **D. Prgr.**: 21.00–12.00.
[10]) **R. Silver City**, Broken Hill. – **L.P.**: Gen. Mgr.: J. S. Murray. Mgr.: J.W. Prider. – **D. Prgr.**: 20.30–13.00.
[11]) **Bathurst Broadc.**, Bathurst. – **D. Prgr.**: 20.00–13.30.
[12]) **Canberra Broadc.**, Canberra. – **L.P.**: Mgr.: G. Barlin. – **D. Prgr.**: 20.00–13.00.
[13]) **Western Broadc.**, Dubbo. – **L.P.**: Mgr. Dir.: W.T. Grant. Dir. Tec.: M. Wieland. – **D. Prgr.**: 19.45–13.30. – **V.** by QSL-card. R.p.
[14]) **Grafton Broadc. Co.**, Grafton. – **D. Prgr.**: 20.00–13.00.
[15]) **Goulburn Broadc.**, Goulburn. – **D. Prgr.**: 20.00–13.00.
[16]) **Country Broadc. Sce.'s**, Orange. – **D. Prgr.**: 20.00–13.30.
[18]) **Airsales Broadc. Co.**, Mayfield. – **D. Prgr.**: 19.30–14.00.
[18]) **Transc. Broadc. Co.**, Wentworth Falls. – **D. Prgr.**: 20.30–12.30.
[19]) **R. Kempsey**, Kempsey – **D. Prgr.**: 20.30–12.30.
[20]) **Newcastle Broadc. Co.**, Newcastle. – **D. Prgr.**: 24 h per day.
[21]) **Young Broadcasters**, Young. – **L.P.**: Gen. Mgr.: G.K. Barlin. Mgr.: W.P. Marsden. Dir. Tec.: R. Milne. – **D. Prgr.**: 20.00–13.00.
[22]) **Richmond River Broadcasters**, Lismore. – **D. Prgr.**: 20.00–12.30.
[23]) **Lithgow Broadc.**, Lithgow. – **D. Prgr.**: 20.00–12.30.
[24]) **Mudgee Broadc. Co.**, Mudgee. – **D. Prgr.**: 20.30–12.30.
[25]) **2MO Gunnedah Ltd.**, Gunnedah. – **D. Prgr.**: 20.00–12.30.
[26]) **Tweed Broadc. Co.**, Murwillumbah. – **D. Prgr.**: 20.00–12.30.
[27]), [28]) **Hunter Broadc.**, Newcastle. – **D. Prgr.**: 19.30–13.00.
[29]) **N. Broadc., Pty.**, Inverell. – **D. Prgr.**: 20.00–13.00.
[30]) **Parkes Broadc. Co.**, Parkes. – **D. Prgr.**: 20.30–13.00.
[31]) **S. Riverina Broadc.**, Deniliquin. – **D. Prgr.**: 20.30–12.30.
[32]) **Manning Valley Broadc.**, Taree. – **L.P.**: Gen. Mgr.: B.A. Valentine. – **D. Prgr.**: 20.00–12.30. – **V.** by QSL-card.
[33]) **2RG Broadc., Pty.**, Griffith. – **L.P.**: Dir.: L.M. Jones. Mgr.: R. Gamble. – **D. Prgr.**: 20.30–12.30.
[34]) **Tamworth R. Dev. Co.**, Tamworth. – **L.P.**: Dir. Higginbotham. Dir. Tec.: T. Whitcomb. – **D. Prgr.**: 20.00–13.00. – **V.** by QSL-card.
[35]) **Moree Broadc. and Dev. Co.**, Moree. – **D. Prgr.**: 20.00–12.30.
[36]) **Riverina Broadc. Co.**, Wagga. – **D. Prgr.**: 20.30–13.00.
[37]) **Wollongong Broadc.**, Wollongong. – **D. Prgr.**: 19.30–13.30.
[38]) **Cooma Broadc.**, Cooma. – **D. Prgr.**: 20.00–13.00.
[39]) **Melbourne Broadc.**, Melbourne. – **D. Prgr.**: 20.00–08.00.
[40]) **3AW Broadc. Co.**, Melbourne. – **L.P.**: Gen. Mgr.: M.F.E. Wright. Dir. Tec.: J.W. Ryan. – **D. Prgr.**: 19.00–13.30.
[41]), [42]) **The Herald Broadc. St.**, Melbourne. – **D. Prgr.**: 19.45–15.00.
[43]) **3KZ Broadc. Co.**, Melbourne. – **D. Prgr.**: 20.00–13.30.
[44]) **Nilsen's Broadc. Sce.**, Pty., Melbourne. – **D. Prgr.**: 19.30–14.00.
[45]) **Efftee Broadc.**, Melbourne. – **D. Prgr.**: – **D. Prgr.**: 24 h per day.
[46]) **Ballarat Broadc.**, Ballarat. – **D. Prgr.**: 20.00–14.00.
[47]) **Amalgamated Wireless**, Bendigo. – **D. Prgr.**: 20.00–14.00.
[48])**Collac Broadc. Co.**, Collac. – **D. Prgr.**: 20.00–12.30.
[49]) **Broadc. St. 3CV**, Maryborough, Vic. – **L.P.**: see 40. – **D. Prgr.**: 20.00–13.00.
[50]) **Geelong Broadc.**, Geelong. – **D.Prgr.**: 20.00–13.00.
[51]) **W. Province R.**, Hamilton. – **D. Prgr.**: 20.00–13.30.
[52]) **Sunraysia Broadc.**, Mildura. – **D. Prgr.**: 20.30–12.30.
[53]) **Wangaratta Broadc. Co.**, Wangaratta. – **L.P.**: Mgr. Dir.: D.C. de la Rue. Dir. Tec.: K.T. Gleeson. – **D. Prgr.**: 20.00–13.00. – **V.** by QSL-card.
[54]) **C. Murray Broadc.**, Swann Hill. – **D. Prgr.**: 20.00–13.00.
[55]) **Ass. Broadc. Sce.'s**, Shepparton. – **D. Prgr.**: 19.45–13.00.
[56]) **Broadc. Entert.**, Sale. – **D. Prgr.**: 19.30–13.00.
[57]) **Ass. Broadc. Sce.'s**, Warragul. – **D. Prgr.**: 20.00–13.00.
[58]) **Ass. Broadc. Sce.'s**, Warrnambool. – **D. Prgr.**: 20.00–13.00.
[59]) **Commonw. Broadc. Co.**, Brisbane. – **L.P.**: Gen. Mgr.: L.C. Hynes. Dir. Tec.: N.J. Bishop. - **D. Prgr.**: D. 24 h. – **V.** by letter.
[60]) **Broadc. Pty.**, Brisbane. – **L.P.**: Man. Dir.: V.F. Mitchell. Dir. Tec.: A. Judge. – **D. Prgr.**: 19.00–13.00. – **V.** by QSL-card or letter.
[61]), [62]) **Brisbane Broadc.**, Brisbane. – **D. Prgr.**: 19.00–13.00.
[63]) **Broadc. St. 4KQ**, Brisbane. – **D. Prgr.**: 19.30–13.30.
[64]) **AYR Broadc.**, Ayr. – **L.P.**: Dir. Gen.: J.F. Gleeson. Dir. Tec.: G.T.Schmid. **D. Prgr.**: 20.00–12.30.
[65]) **Bundaberg Broadc.**, Bundaberg. – **D. Prgr.**: 20.00–12.30.
[66]) **Amalgamated Wireless**, Cairns. – **D. Prgr.**: 20.00–13.00.
[67]) **Gold R. Sce.**, Toowoomba. – **L.P.**: Dir. Gen.: E.E. Gold. Dir. Tec. A. Bidgood. – **D. Prgr.**: 19.30–13.00.
[68]) **The Gympie Broadc. Co.**, Gympie. – **L.P.**: Man. Dir.: S.L. Fittell. Mgr.: A.H. Buzacott. – **D. Prgr.**: 20.00–12.00. – **V.** by letter. R.p.
[68]) **Ipswich Broadc. Co.**, Ipswich. – **D. Prgr.**: 20.00–12.30.
[70]) **Radio 4LG**, Longreach. – **D. Prgr.**: 21.00–03.30, 08.00–12.00.
[71]) **Maryborough Broadc. Co.**, Maryborough. – **D. Prgr.**: 20.00–12.30.
[72]) **Mackay Broadc. Sce.'s**, Mackay. – **D. Prgr.**: 20.00–12.30.
[73]) **Rockhampton Broadc. Vo.**, Rockhampton. – **D. Prgr.**, 20.00–12.30.
[74]) **S. Burnett Broadc. Co.**, Kingaroy. – **L.P.**: Dir. Gen.: C.F. Adermann. Mgr.: J.H. Parker. – **D. Prgr.**: 20.00–12.30. – **V.** by QSL-card. R.p.
[75]) **Amalgamated Wireless**, Townsville. – **D. Prgr.**: 20.00–13.30.
[76]) **Charlewille Broadc. Co.**, Charleville. – **D. Prgr.**: 20.30–12.30.
[77]) **Warwick Broadc. Co.**, Warwick. – **D. Prgr.**: 20.30–12.30.
[78]) **Maranoa Broadc. Co. Ltd.**, Roma. – **D. Prgr.**: 20.30–12.30.
[79]), [80]), [81]), [82]) **The Advertiser Broadc. Network**, Adelaide. – **L.P.**: Mg. Dir. K.A. Macdonald. Dir. Tec.: D.M. Gooding. – **D. Prgr.**: 20.00–13.45.
[83]) **Hume Broadcasters**, N. Adelaide. – **D. Prgr.**: 20.00–13.45.
[84]), [85]), [86]) **5KA Broadc. Co.**, Adelaide. – **L.P.**: Mg. Dir.: A.E. Vogt. Mgr.: W.L.C. Davies. – **D. Prgr.**: [84]) 24 h; [85]), [86]): 20.15–13.30. **V.** by QSL-card.
[87]), [88]), [89]), [90]) **W.A. Broadc.**, Perth. – **D. Prgr.**: [87]) 21.45–15.00, [89]) 22.00–06.00, 09.00–14.30, [89]) 22.00–06.15, 09.00–14.30, [90]) 22.00–14.30.
[91]), [92]) **People's Pr. and Pub. Co.**, Perth. – **D. Prgr.**: 21.30–15.00.
[93]), [94]), [95]), [96]) **Whitfords Broadc. Network**, – Perth. – **D. Prgr.**: [93]) 22.00–15.00, [94]) 22.30–14.30; [95]) 23.00–05.30, 09.30–14.30. [96]) 23.00–05.00, 09.00–14.30.
[97]), [98]), [99]) **Nicholsons Broadc. Sce.**, Perth. – **D. Prgr.**: [97]) 22.00–15.00. [98]) 22.00–14.15; [99]) 22.00–06.30, 09.00–14.15.
[100]) **Albany Broadc.**, Albany. – **L.P.**: Mgr. R.H.Atkinson. – **D. Prgr.**: 23.30–05.00, 09.30–14.00. – **V.** by QSL-card.
[101]) **N. Tasmania Broadc.**, Devonport. – **D. Prgr.**: 21.30–13.00.
[102]) **Burnie Broadc. Sce.**, Burnie. – **D. Prgr.**: 20.30–12.30.
[103]) **7EX Pty.**, Launceston. – **L.P.**: Dir. A.E. Evans. – **D. Prgr.**: 20.30–13.00. – **V.** by QSL-card.
[104]) **Comm. Broadc.**, Hobart. – **D. Prgr.**: 20.00–13.00.
[105]) **Metropolitan Broadc.**, Hobart. – **D. Prgr.**: 20.00–13.00.

[106]) **Findlay & Wills Broadc.**, Launceston. – **L.P.**: Mgr.: R.E. Ward. Dir. Tec.: R.B. McLean. – **D. Prgr.**: 20.30–13.00. – **V.** by QSL-card.

[107]) **W. Coast Broadc.**, Queenstown. – **D. Prgr.**: 21.00–03.00, 06.00–12.30.

[108]) **N. Ea. Tasmania R. Broadc.**, Scottsdale. – **L.P.**: Mgr. B. Scetrine. **D. Prgr.**: 21.00–03.00, 06.30–12.15. – **V.** by QSL-card. R.p.

★ CANTON ISLAND ★

L.T.: GMT + 11 h. – L.: English.

RADIO STATION KIBS (The Hermit Crab Network)
(Non-profit, volunteerly operated, U.S. Govt. owned equipment).

ADDR.: C.A.A. Canton Island, Phoenix Group, S.Pacific; U.S.P.O. 06–50000. – **L.P.**: Dir. Gen.: W. Johnson. Dir. Tec.: J Ronald.

HOME SCE.: KIBS 1500 kc/s 200 m 0.25 kW Tues to Sun.: 01.00–11.00, Sun. 21.00–Mo. 11.00. All prgrs. recorded exc. Sun. two local religious prgrs. and "Saturday Nite Jamboree": Sun. 06.00–08.00.

ANN.: "Radio Station KIBS, The Hermit Crab Network, 1500 on your dial; Canton Island". – **V.** by letter. R.p. appreciated.

★ COOK ISLANDS (N.Z. Territory) ★

L.T.: GMT + 10½ – L.: English, Cook Isl. Maori – Rcvrs.: 300.

RADIO RAROTONGA (Go.)

ADDR.: Further Education Radio Service, Rarotonga. **L.P.**: Dir. Prgr.: P.F. Henderson. Dir. Tec. W. Scarborough.

HOME SCE.: ZK1ZA 4965 kc/s 60.42 m 0.35 kW: Thurs. 04.30–05.30 (N. 05.10).

ANN.: "This is ZK1ZA Radio Rarotonga: ZK1ZA is owned and operated by the Cook Islands Administrations" – **INT.-SIG.**: Cook Island Drum Beats. – **V.** by QSL-card.

★ FIJI ★

L.T.: GMT + 12 h. – L.: English, Fijian, Hindustani. – Rcvrs.: 16.450.

FIJI BROADCASTING COMMISSION (Independant Statutory Body)

ADDR.: Broadcasting House, Gladstone Rd., P. O. Box 334, Suva. – Cable: "Broadcom." – **L.P.**: Chairman: R.L. Munro. Mgr.: J.S.W. Stannage. Dir. Prgr.: G. King. Dir. Tec.: T. Agar.

HOME SCE.: W. 18.30–10.30 (Sat. 11.00); Sun. 20.00–10.15.
Suva 930 kc/s 322 m 2 kW VRH. – Lautoka 890 kc/s 337.1 m 2.5 kW VRH3 – Suva 840 kc/s 357 m 0.5 kW VRH2 – Suva 3980 kc/s 75.38 m 0.5 kW VRH4.
Simultaneously tr. in English, Fijian and Hindustani. – **English**: N.: 19.00, 20.00 (BBC), 00.15 (ABC), 01.15 (NZBS), 07.00 (BBC). – **Wrp.**: 19.00, 20.00, 00.30, 01.30, 07.00, 09.15.
ANN.: "This is the Fiji Broadc. Commission. – **V.** by QSL-card.

★ GILBERT and ELLICE ISLANDS ★ (British Colony)

British Colony – L.T.: GMT + 12 h. – L.: Gilbertese, Ellice, English. – Rcvrs.: 164.

RADIO TARAWA (Go.)

ADDR.: Information Office, Tarawa, Gilbert and Ellice Islands Colony (via Melbourne, Australia). – Cable: Information, Tarawa. – **L.P.**: Dir.: R.K. Uatioa. Dir. Tec. C.W. Adams.
HOME SCE.: Sun. 04.30–05.15*), Fri. 07.30–09.00.**)
VTW 844 kc/s 355 m 0.05 kW – VSZ 10 6050 kc/s 49.59 m 0.5 kW.
* Gilbertese & Ellice. ** English.
ANN.: E.: "This is station VTW, Tarawa". – **V.** by letter.

★ HAWAII (U. S. Territory) ★

L.T.: GMT + 10 h. – L.: English, Japanese, Filipine, Chinese. – Rcvrs.: 150.000.

VOICE OF AMERICA STATION IN HAWAII

ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS: Honolulu 100 kW 09.00–16.00.
6075 kc/s 49.38 m; 9650 kc/s 31.09 m; 11775 kc/s 25.48 m; 15330 kc/s 19.57 m.
D. PRGR.: Short Wave. See U.S.A.
ANN.: "This is the Voice of America Radio Station in Honolulu".
V. by QSL-card. No return postage required.

STATIONS: (Comm.)

Call	kc/s	kW	network	Call	kc/s	kW	network
1) KMVI	550	1	KGU-NBC	9) KAHU	920	1	Indep.
2) KGMB	590	5	CBS	2) KHBC	970	1	CBS
3) KPOA	630	5	MBS	10) KHVH	1040	5	Indep.
4) KULA	690	10	Indep.	11) KIPA	1110	1	KGU-NBC
5) KGU	760	10	NBC	12) KANI	1150	1	Indep.
6) KIKI	830	0.25	Indep.	13) KHON	1380	5	Indep.
7) KILA	850	1	MBS	14) KTOH	1490	0.25	KGU-NBC
8) KAIM	870	1	Indep.	8) KAIM-FM	95.5 mc/s	1 kW	Indep.

H. of tr. vary from 16 to 24 hours d., with all stations normally broadcasting: 16.00–08.00.

1) **Maui Publishing Co.** Box 374, Wailiku, Maui. – **L.P.**: Pres.: J. Walter Cameron. Gen. Mgr.: E.J. Crane. St. Mgr.: R.E. Mawson. Chief Eng.: N. Arveschoug. – **D. Prgr.**: in **E.**: D. 14.55–09.15, exc. in **Jap.**: Tues.–Sat. 01.45–03.00. Sun. 19.15–22.30. In **Fil.** D. 15.00–15.45. – **V.** by letter or QSL-card.

2) **Hawaiian Broadc. System.** 1534 Kapiolani Blvd. Honolulu. **L.P.**: Pres. & Gen. Mgr.: J. H. Worrall. Dir. Tec.: D. Hunter. – **D. Prgr.**: KGMB in **E., Phil., Jap., Chi.** KBHC in **E., Jap., Chi.** 16.00–09.00.

3) **R. Hawaii**, 575 Kamoku Str. Honolulu. – **L.P.**: Gen. Mgr.: F. Hollinger. Dir. Tec.: R.H. Land. – **D. Prgr.** in **E.**: Mo.–Fri. 15.30–23.30, Tues.–Sat. 03.30–11.00. Sat. 15.30– Sun. 02.00. Sun. 04.30–11.00, Sun. 20.55–Mo. 04.45, Mo. 08.00–16.00. – **In Jap.**: W. exc. Sat. 23.30–02.00, Sun. 17.30–20.55, Mo. 04.45–08.00. – **In Fil.**: W. 15.15–15.30, Tues.–Sun. 02.00–03.00. Sun. 15.30–17.30. – **V.** by letter or QSL-card.

4) **Television Corp. of America**, 1290 Ala Moana, Honolulu. – **L.P.**: Gen. Mgr.: J. Burnett, Dir. Tec.: R.T. Miyahira. – **D. Prgr.** in **E.**: 15.00–10.00.

5) **Advertiser Publishing Co.**, Kapiolani & South St., Honolulu. – **L.P.**: Dir. Gen. L.P. Thurston. Dir. Tec.: T. Shigetani. – **D. Prgr.**: in **E., Jap., Phil.**, 15.00–10.00.

6) **Kiki Ltd.**, 320 Ward Av., Honolulu. – **L.P.**: Gen. Mgr.: A.J. Rossi. Dir. Tec.: R.V. Howard. – **D. Prgr.** 24 hours a day.

7) **Island Broadc. Co.**, Maniloa Hotel, Hilo. – **L.P.**: Gen. Mgr.: J.E. Jaeger. Dir. Tec.: S. Nakamura. **D. Prgr.** in **E., Jap., Phil.**: 15.00–10.00.

8) **Christian Broadc. Co.**, 1136 12th Av., Honolulu 8. – **L.P.**: Gen. Mgr.: C. Keur. Dir. Tec.: C. Powell.

9) **Rural Broadc. Co.**, P.O. Box 1010, Waipahu. – **L.P.**: Gen. Mgr.: H.E. Chu.

10) **Kaiser St.**, Hawaiian Village, Honolulu. Gen. Mgr.: H. Lewis: 15.30–10.00.

11) **Big Island Broadc. Co.**, 140 Haili Street, Hilo. – **L.P.**: Dir. Tec.: R.W. Jaderstrom. – **D. Prgr.** in **E., Jap., Phil.**: 16.00–09.00.

12) **Windward Broadc. Co.**, P.O.Box 697, Kaneohe. – **L.P.**: Mgr.: D. Carter. Dir. Tec.: J. Ellingson. – **D. Prgr.** in **E., Jap., Phil.**: 16.00–09.00.

13) **South Pacific Broadc. Co.**, P.O. Box 1380, Honolulu. – **L.P.**: Gen. Mgr. C. Maudsley. – **D. Prgr.** 24 hours.

14) **Garden Island Publishing Co. Ltd.**, Lihue, Kauai. – **L.P.**: Gen. Mgr. C.J. Fern. Dir. Tec.: K. Nose. – **D. Prgr.**: 15.30–08.30.

★ JOHNSTON ISLAND (U.S. Territory) ★

L.T.: GMT + 11 h. – L.: English.

ARMED FORCES RADIO SERVICE (U.S. Air Forces)

ADDR.: 6488th Air Base Squadron, APO 105, San Francisco.
L.P.: Dir. Gen.: Lt. H.T. Shigemura. Dir. Tec.: R.C. Frankenfield.
D. PRGR.: WVTV 1250 kc/s 240 m 0.25 kW.
19.00–21.00, 00.00–02.00, 05.00–12.15. Sat. 20.30–Sun. 12.15, Sun. 22.30–Mo. 12.15.
N. (rel. KCBR AFRS): 03.00 (Mo.), 07.00, 12.00. – **V.** by letter R. p.

★ MARIANAS ISLANDS (U.S. Territory) ★

L.T.: GMT + 10 h. – L.: English, Tagalog, Chamorro. – Rcvrs.: 25.000.

RADIO GUAM (Pr. Comm.)

ADDR.: P.O. Box 68, Agana, Guam. Cable: "Kuam". – **L.P.**: Pres.: H. Engel jr. Mgr.: H.R. Maguire. Dir. Tec.: S.I. Ridder, J.L. Long.
KUAM 610 kc/s 1 kW. – **English**: 20.00–06.00, 07.15–14.00 (Sat. 15.00).
Tag.: 07.00–07.15 (Sat. 10.30–11.00). – **Chamorro**: W. 06.00–07.00.
ANN.: "Kuam Agana, Guam". – **V.** by QSL-card. – Write for prgr.-sched.

★ MIDWAY ISLAND (U. S. Territory) ★

L.T.: GMT + 11 h. – L.: English.

R. STATION KMTH: 900 kc/s 0.05 kW: 18.00–11.00.

ADDR.: The Voice of the Mid. Pacific, AFRTS Navy 3080, Fleet Post Office, San Francisco, Calif. U.S.A.

★ MARSHALL ISLANDS (U.S. Trust Terr.) ★

L.T.: GMT + 12 h. – L.: English.
ENIWETOK: WXLE 1385 kc/s 0.25 kW: D. 18.00–15.00.
ADDR.: AFRTS Army APO 187 P.M. San Francisco, Calif. U.S.A.
KWAJALEIN: WXLG 1140 kc/s 0.25 kW: 18.00–15.00.
ADDR.: AFRTS Navy 824, Box 23, c/o Fleet Post Office, S. Francisco, Calif. U.S.A.
ULIGA Majuro Micronesia: WSZO 1500 kc/s 0.15 kW: 22.00–01.00.

★ NEW CALEDONIA (French Terr.) ★

L.T.: GMT + 11 h. – L.: French. – Revrs.: 4000.
RADIO NOUMEA (Go.)
ADDR.: Service de l'Information, Mont Coffin, Noumea. – L.P.: Dir.: R. Le Leizour. Dir. Adm.: Mlle. M. Charbonneux. Editor: E. Pascal.
STATIONS: 3355 kc/s 89.42 m 0.5 kW – 6035 kc/s 49.71 m 1/6 kW. day 1 kW. nights (07.00–10.30) 6 kW.
D. PRGR.: W.: 19.00–20.00, 00.00–02.00, 07.00–10.30. Sun.: 21.00–02.00, 07.00–10.30.
N., W.: 19.30, 19.55, 00.00, 01.00, 07.00, 08.00, 10.25. – Wrp.: W.: 00.00, 01.15, 01.55, 07.00, 08.00, 08.30, 10.25.
ANN.: "Noumea, La Voix de la France dans le Pacifique". – V. by QSL-card.

★ NEW GUINEA (Netherlands) ★

L.T.: GMT + 9½ h. – L.: Dutch, Malayan.
RADIO OMROEP NIEUW GUINEA (Go.)
ADDR.: R.O.N.G., P.O. Box 505, Biak. – L.P.: Mgr.: A. H. R. Hoogezand. Adm.: D. van Os. Dir. Tec.: W. de Vries.
HOME SCE.: 7190 kc/s 41.72 m 5 kW:
Dutch: Mo.–Fri.: 00.30–01.30, 09.45–12.30. Sat.: 03.00–05.00, 09.25–12.30. Sun.: 23.30–04.30, 09.00–12.30. – N.: 10.30 (W), 03.30 (Sun.). – Wrp.: 01.27 (Mo.–Fri.), 03.02 (Sat.). – Request Prgr.: Tues. 10.45–11.45.
Malayan: Mo.–Fri.: 09.00–09.45. Sat. 08.45–09.25. – N.: 09.00 (Mo.–Fri.), 08.45 (Sat.).
ANN.: "Hier is Biak, Radio Omroep Nieuw-Guinea". – INT.-SIG.: "Wij leven vrij, wij leven blij": sol do sol mi do mi sol sol sol. – V. by QSL-card. If possible return postage.
RADIO SORONG (Pr.)
ADDR.: Dutch New Guinea Petroleum Company, Sorong.
HOME SCE.: 3395 kc/s 88.37 m 0.5 kW. – W. exc. Wed., Sat.: 09.30–12.00. Sun.: 01.00–03.30, 09.30–12.00.
ANN.: "Hier R. Sorong". – INT.-SIG.: "Swedish Rhapsody". – V. by letter.

★ NEW GUINEA (Austral. Terr.) ★

R. Port Moresby (Papua): see Australian Broadcasting Commission.

★ NEW ZEALAND ★

L. T.: GMT + 12 h. – L.: English. Revrs.: 525.059.
NEW ZEALAND BROADCASTING SERVICE (Go.)
ADDR.: The Director, New Zealand Broadcasting Service, P.O. Box 98, Wellington. – Cable: "Broadserv".
L.P.: Dir.: William Yates, C.B.E. Dir. Tec.: W. L. Harrison.
HOME SERVICE in English:

		kc/s	m	kW	h. of tr.
Wellington	2YA	570	526	60	17.00–11.20
Wellington	2YC	660	455	60	05.00–11.00
Christchurch	3YA	690	434	10	18.00–11.20
Invercargill	4YZ	720	416	5	19.00–11.20
Auckland	1YA	760	395	10	18.00–11.20
Dunedin	4YA	780	384	10	18,00–11.20
Rotorua	1YZ	800	375	10	19.00–10.30
Invercargill	4ZA	820	366	2	18.00–10.30
Napier	2YZ	860	349	5	19.00–10.30
Auckland	1YC	880	341	10	06.00–11.00
Dunedin	4YC	900	333	10	05.00–11.00
Greymouth	3YZ	920	326	10	19.00–10.30
Palmerston Nth.	2ZA	940	379	2	18.00–10.30
Christchurch	3YC	960	312	10	05.00–11.00
Whangarei	1XN	970	309	2	18.00–10.30
Wellington	2ZB	980	306	10	18.00–12.00
Gisborne	2XG	1010	297	2	18.00–10.30
Dunedin	4ZB	1040	288	10	18.00–12.00
Auckland	1ZB	1070	280	10	18.00–12.00
Christchurch	3ZB	1100	273	10	18.00–12.00
Wellington	2YD	1130	265	0.5	07.00–10.00
Timaru	3XC	1160	258	2	19.00–10.30
Gisborne	2XM	1180	254	0.09	21.15–10.00
Wanganui	2XA	1200	250	2	18.00–10.30
Auckland	1YD	1250	240	0.75	05.00–10.00
Hawkes Bay	2ZC	1280	234	2.5	18.00–10.30
Hamilton	1XH	1310	229	2	18.00–10.30
Nelson	2XN	1340	224	2	18.00–10.30
New Plymouth	2XP	1370	219	2	18.00–10.30
Wellington	2YX	1400	214	1	07.30–10.30
Dunedin	4XD	1430	210	0.06	06.00–10.30

N.: D.: 18.00, 19.00, 20.00 (BBC), 09.00. – Wrp.: English 08.30, 19.15, 21.00, 00.30. – Religious Prgr.: W. 22.10, Sun. 23.00. – R.N.Z. special *bulletin of N. and Sports for Pacific Isl.: Mo.–Fri. 00.33. – London N.:* D. 06.30. – Request Session: Sun.: 00.33–02.00.
FOREIGN SERVICE: Radio New Zealand 7.5 kW.
ADDR.: The Director, Radio New Zealand, P.O. Box 2396, Wellington. – Cable: "Natbroadcast". – L.P.: Station Man.: A. L. Curry. Prgr. Officer: K. S. Avery.

ZL20	6020	49.83	ZL2	9540	31.45	ZL4	15280	19.63
ZL7	6080	49.34	ZL3	11780	25.47	ZL14	17820	16.84

Two of the frequencies are used simultaneously, and as the prgr. service is intended primarily for Australia and the Pacific Islands the present serials are beamed in those two directions.
To Australia: 20.00–10.45 Mo. to Fri.; 20.00–11.20 Sat.; 20.00–10.00 Sun.
To Pacific Isl.: 17.00–10.45 Mon. to Fri.; 17.00–11.20 Sat.; 17.00–10.00 Sun.
In the main R. New Zealand relays 2YA Wellington between 17.00 and 06.40.
N. Z. N.: 08.30, 10.30. – Nat. Music: Thurs. 09.00. Sun. 07.30 (English, Maori).
DX-programmes: First Wed. in each month 09.30. – Mailbag: Fri. 09.15. – Prgr. Preview: D. 07.02.
ANN.: "This is New Zealand calling". – INT.-SIG.: Call of the native bird: The Bell Bird (at 10 second interval). – V. by QSL-card posted by sea mail. – PUB.: Weekly: "The N.Z. Listener" (Home Service); R. N.Z. prgr. sched. (Free to Overseas Listeners on Request).

★ NORFOLK ISLAND (Austral. Terr.) ★

L.T.: GMT + 11½ h. – L.: English.

NORFOLK ISLAND BROADCASTING SERVICE (Go.)
ADDR.: Civil Aviation, Norfolk Island. 1500 kc/s 200 m 0.07 kW.

★ PHILIPPINES ★

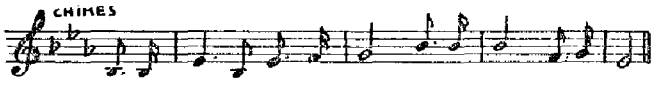
L.T.: GMT + 8 h. – L.: English, Tagalog, Visayan. – Revrs.: 300.000.
Educational and Go. Comm. St.:
FAR EAST BROADCASTING CO. (Missionary Broadc. Sce.).
ADDR.: Box 2041, Manila: Cable: Febcom.
L.P.: J. C. Broger. Vice. Pres.: R. H. Bowman. Dir. Prgr.: R. Kaufman. Dir. Adm.: W. A. Hulet, Dir. Tec.: N. Blake. Publ. Rel.: M. Atienza.
HOME SCE.:
DZAS 680 kc/s 441 m 10 kW DZB2 3345 kc/s 89.68 m 2 kW d.No/So DZFE 1030 kc/s 291.5 m 1 kW – DZH6 6030 kc/s 49.75 m 2 kW No/So
DZAS (main st.): 21.00–15.00. – DZFE: 21.00–24.00, 10.00–13.00
DZB2/DZH6: 21.00–15.30. (DZB2 & DZH6 are attached to either DZAS or DZFE).
N. and Wrp.: W. 21.00 Ilocano (DZFE), 21.45 English (DZAS), 22.30 Tagalog (DZAS), 23.00 English (DZAS). On DZAS/DZB2/DZH6: 24.00 (W). English, 02.00 (W) Tagalog. 04.00 (D) English, 09.30 (Sun.) English, 10.00 (W) English, 11.00 (W) Tagalog, 14.00 (D) English.
Philippine Music (English): On DZAS/DZB2/DZH6: Mo. 03.00, Sat. 13.00. On DZFE: Sun. 10.30, Tues. & Thurs. 11.45.
Mbg. (English): Tues. 01.15 and Fri. 08.00. On DZAS/DZB2/DZH6.
Prgr. in Amoy: D. 09.30 (DZFE).
"Hello Neighbor" (English): Tues.–Thurs. 08.00 (DZAS/DZB2/DZH6).
Religious: (Tagalog): D. 05.00, 11.05 (DZAS/DZB2/DZH6).
OVERSEAS SCE: W. 21.00–09.15, 09.30–17.00. Sun. 21.00–17.00.
DZH7*) 9730 kc/s 30.83 m 2 kW DZI6 17805 kc/s 16.85 m 10 kW
DZH8 11855 – 25.31 – 2 – DZI8 21515 – 13.94 – 2 –
DZH9 15300 – 19.60 – 2 –
*) In parallel with the other stations exc. 23.30–01.45, 04.00–05.00, 12.00–12.30 when used for Philippine Sce.
D. PRGR. (*Sun only)

21.00 Jap.	01.00 English*)	06.00 English	10.30 English*)
22.15 Vietnamese	01.30 Hindustani*)	06.15 Indian	11.00 Jap.
22.45 Ind.	01.45 Music	06.30 English*)	11.30 Swatow
23.00 Chi.	02.00 Chi.	06.45 Russian	11.45 Lao
23.30 English	03.00 Music	07.30 English	12.00 Thai
23.30 Music*)	04.15 Vietnamese	09.30 Amoy	12.30 Cambod.
23.45 Lao*)	04.30 English	10.00 Ind.	12.45 Vietnam
24.00 Thai	04.45 Cambodian	10.00 Music*)	13.00 Chi.
00.30 Indian	05.00 Amoy	10.15 Ind.*)	14.00 English
00.30 Music*)	05.30 Cantonese	10.30 Music	16.00 Chi.
			16.30 Russian

Philippines

ANN.: Home Sce.: E.: "This is the Call of the Orient... the Philippine Service of the Far-East Broadcasting Company... DZAS , and short-wave stations of 3.34 and 6 03 mc/s" (Shortwave freq.'s given once per hour; other times given an "DZAS Manila") – Tagalog: "Ito Ang Tawag Ng Silangan..... Himpilang DZAS, 680 Kilosiklo sa Pihitan Ng Inyong Mga Radyo" – Overseas See: E.: This is the Call of the Orient..... the Overseas Service of the Far East Broadcasting Company, Manila, operating at 9.73, 11.85, 15.3, 17.8 and 21.5 mc/s. The time..... corresponding to ..... GMT."

INT.-SIG.: For both Sce.'s: On the hour only:



V. by letter. – Prgr., schedule free on request. – F. PL.: 50 kW sw. tr., Manila; 2 mw tr. Okinawa (1 kW, 100 kW).

NATIONAL CIVIL DEFENSE ADMINISTRATION (Go.).
ADDR.: Indep. Grandstand, Luneta, Manila. – L.P.: Dir. AG.Eugenio.
HOME SCE.: 1 kW. – W.: 09.00–12.00.
540 kc/s 556 m – 3305 kc/s 90.77 m – 5970 kc/s 50.25 m
3365 kc/s 89.15 m – 3292 kc/s 91.10 m
N. English: 09.45. – Tagalog: 10.30. – V. by QSL-card and letter.

NATIONAL TEACHERS COLLEGE
ADDR.: Radio Station DZTC, National Teachers College, Manila.
L.P.: Dir. Prgr.: C. M. Aquino. – HOME SCE.: DZTC 1420 kc/s 1 kW: 10.00–14.00.

NOTRE DAME BROADCASTING CORPORATION
ADDR.: Catabato City, Catabato. – L.P.: Dir. Rev. G. Dión OMI. Mgr.: Miss E. Adre. Tec.: R. Obra, S. Rosal.
HOME SCE: 22.00–13.30 in English, Tagalog, Visayan, Chinese, Hocano:
DXMS 880 kc/s 1 kW DXB3 3945 kc/s 76.05 m 0.5 kW.

PEOPLES STATION DZFM (Go., Comm.).
ADDR.: 4th Floor, City Hall, Manila. – Cable: DZFM Manila.
L.P.: Man. Dir.: F. Trinidad, Dir. Prgr.: E. Avelino. Dir. Tec.: J. Dy. (Tr.). L. Quintos (Studios).
HOME SCE: D. 21.00–15.00 in English & Tagalog.
DZFM 710 kc/s 10 kW – DUH2 6170 kc/s 48.62 m 1 kW. – DUH5 11840 kc/s 25.34 m 0.25 kW.
English: N.: 23.45, 02.00, 04.30, 12.50, 14.00. – Wrp.: 21.05, 02.30, 07.45, 14.45. – Mbg.: English: 00.00–01.30, 06.00–07.45. Tagalog: N.: 21.45, 05.00.
V. by QSL-card or letter. R. p. F.PL.: 5 kW early 1958: 1500 kc/s. – PUB: Prgr. sched. on request. R. p.

SILLIMAN UNIVERSITY (Non-comm., Rel.igious. Founded by Philippine Federation of Christian Churches.).
ADDR.: Station DYSR, Dumaguete City. – L.P.: Dir. Adm.: H. W. Mack. Dir. Prgr.: C. Barnadez. Dir. Tec.: J. G. Olivar.
HOME SCE: D. 21.00–02.00 (Sun. 05.00), 09.00 (Sun. 08.00)–14.00 in English, Visayan.
DYSR 840 kc/s 357.1 m 1 kW – DYB4 3277 kc/s 91.55 m 0.3 kW DYH4 6055 kc/s 49.55 m 0.25 kW
N.: in English: 21.00, 23.30, 10.00, 12.00. – Visayan Music: Mo.–Fri. 00.15–00.30, Mo. 10.15–10.30.
INT.-SIG.: Sign on: Battle Hymn of the Republic.
ANN.: "This is the Voice of Christian Brotherhood, DYSR, broadc. from Dumaguete City on 840 kc m.w. and on two s.w. stations in the 91 and 49 bands." – V. by QSL-card or letter. – F.PL.: DYSR 5 kW. – PUB.: Prgr. sched. free on request.

UNIVERSITY OF SANTO TOMAS (Rel.).
ADDR.: España, Manila. – L.P.: Dir. F. A. Pinon, O. P.
HOME SCE: 10.00–14.00 in English, Spanish, Tagalog.
DZST 860 kc/s 1 kW – DZH5 9690 kc/s 30.96 m 0.25 kW.
ANN.: E.: "This is the Voice of Catholic Philippines, station DZST Manila". – V. by QSL-card or letter.

PRIVATE Comm. Stations.

BACOLOD BROADCASTING CORP.
ADDR.: Lacson Str., Bacolod City. – L.P.: Gen. Mgr.: S. Santos.
HOME SCE: DYRL 1360 kc/s 220.6 m 1 kW. 21.00–16.00. – V. by QSL-card or letter.

BOLINAO ELECTRONICS CORP.
ADDR.: P.O. Box 1344, Manila. – DZAQ, DZBC: 5th Floor, Republic Super Market Bldg., Manila. DZRI: Blue Beach, Dagupan City – DZMM: San Juan – DZRB: El Morrocco Hotel, Naga City.
HOME SCE in English, Tagalog:
DZAQ 620 kc/s 50 kW: 21.00–16.00.
DZBC 1000 kc/s 1 kW – DZI2 9550 kc/s 31.41 m 2 kW: 21.00–17.00
DZRI 1040 kc/s 1 kW:2 1.00–1400. DZMM 1340 kc/s 1kW 21.00–16.00
DZRB 1060 kc/s 1 kW: 21.00–01.00, 04.00–14.00.

CHRONICLE BROADCASTING NETWORK
ADDR.: Aduana Str. Intramuros, Manila. – L.P.: E. Lopez. Dir. Prgr. S. O. Almario.
HOME SCE: The Voice of the People:
DZXL 960 kc/s 50 kW – DZYL – FM 102 mc/s 0.92 kW: 21.00–15.00.
Radio Reloj: DZQL 1160 kc/s 1 kW: D. 24 h.

RADIO DYMM: ADDR.: Felix del Rosario, Bacolod City.
HOME SCE: DYMM 1120 kc/s 0.5 kW 21.00–17.00.

MANILA BROADCASTING COMPANY
ADDR.: Radio Center Philippines, 964 Taft Av., Manila. Cable: "MANBROADCO.".
L.P.: Pres. & Gen. Mgr.: Maestro Federico Elizalde. Comptroller & Treasurer: Guillermo Hernandez. Sales Dir.: Ira Davis. Dir. Tec. John M. Palmer. Dir. Prgr.: Albert Card. PRO. Dir.- Rafael Yabut. Program Coordinator: Jess Fernandez. Technical Supervisor: Magno Santos. Chief, Transmitter Site: Jose O. Ibarra, Jr. Studio Supervisor: Antonio Zulueta. Chief of Personnel: Ricardoe Esplanada.

STATIONS:

Call	kc/s	m	kW	name	h. of tr.
DZRH	650	461.1	10	1) Voice of the Philippines	21.00–16.00
DZH4	6000	50.00	1		
DZH2	9640	31.12	1		
DZMB	760	394.7	1	2) Voice of Manila Metropolitan Broadc. Co.	21.00–16.00
DZHF	1250	240.0	1		
DZI7	6080	49.34	0.25		
DZPI	800	375.0	10	3)Radio Philippines	21.00–16.00
DZH3	9500	31.58	1		
DYRC	600	500.0	1	4) Voice of Cebu	21.00–15.00
DYH2	6140	48.85	0.5		
DYBU	1260	238.0	1	4) Radio Cebu	22.00–01.00
DYVZ	790	379	1		Sun. 04.00) 10.00–17.00

See last minute corrections last page.

THE VOICE OF THE PHILIPPINES – (1)
ADDR.: RADIO CENTER-PHILIPPINES, 964 Taft Avenue, Manila. – L.P.:Production Mgr.: Angelo Castro. Chief Ann.: R. Cordova.
HOME SCE: In E., Tag.: N.: in English W. 00.00, 05.05, 13.00. Wrp.: Usually in the mornings. In the presence of a storm in the archipelago several times during the day. – (Ann. Mary Yu). – V. by QSL-card. Return postage required.

THE VOICE OF MANILA – (2)
ADDR.: RADIO CENTER – PHILIPPINES, 964 Taft Avenue, Manila. – L.P.: Production Mgr.: Cris de Vera. Chief Ann.: J. Salazar.
HOME SCE: In E., Tag.: N. in English: D. 05.15. (Announcer Cris de Vera). – V. by QSL-card. Return postage required.

METROPOLITAN BROADCASTING COMPANY (2) 1250 on your dial maintaining the highest traditions of home and family.
ADDR.: RADIO CENTER-PHILIPPINES, 964 Taft Avenue, Manila. – L.P.: Production Mgr.: Gus Gonzales.
HOME SCE: In E. & Tag.: N. in English: D. exc. Sat. 23.00. – Nat. Music (Native Melodies): Sun.: 10.13–11.00. – (Ann.: A. Castro).
V. by QSL-card. Return postage required. – F.PL.: M.B.C. may install new st. in Bacolod City and Davao City, which will be in operation before the end of 1958.

RADIO PHILIPPINES – (3)
ADDR.: RADIO CENTER-PHILIPPINES, 964 Taft Avenue, Manila.
L.P.: Production Mgr.: Phil Delfino. Chief Ann.: A. Yatco.
HOME SCE: In E., Sp., Tag.: N. in English: D. 01.00. – In Spanish: "La Taberna": D. 04.30–05.15. (Announcer: Teresita Garcia). – V. by QSL-card. Return postage required.

CEBU BROADCASTING COMPANY ("Voice of Cebu", "Radio Cebu"). (4)
ADDR.: Lim Bon Fing Building, Cebu City. – L.P.: Mgr. & Sales Dir.: Roberto M. Garcia. Dir. of Prgr.: V. P. Vamenta. Chief Eng.: Alicia Maglaya. Dir. Pres. & Inform.: G. M. Mercado.
HOME SCE: In E. & Vis.: N. in English: Sun. 03.15, Mo.-Sat.: 23.15, 05.00, 08.30, 13.45. (Announcer: S. D. Tecson).
INT.-SIG.: For DYRC musical chimes: Sol-mi-do. – V. by QSL-card. Return postage required. – F.PL.: DYRC to be increased to 5 kW.

MANILA TIMES PUBLISHING CO. Polo.
DZMT 1380 kc/s 1 kW: 21.00–16.00.

RADIO MINDANAO
ADDR.: Cagayan Electronics Bldg. Del Mar Str., Cagayan de Oro City. – L.P.: Dir. H. Canoy. Dir. Tec.: R. Cui.
HOME SCE: DXCC 780 kc/s 1 kW: 22.00–14.00 in E., Vis.

MINDANAO COLLEGES BROADC. SYSTEM
ADDR.: Davao City, Mindano.
HOME SCE: DXMC 900 kc/s 1 kW. 21.00–1400 in E. Vis.
ANN.: "This is MCBS, The Mindanao Colleges Broadcasting System, DXMC, The Voice of Davao, broadcasting from the heart of Davao".:

MONSERRAT BROADCASTING SYSTEM
ADDR.: 3394 V. Mapa Sta., Mesa, Manila. – L.P.: Pres.: F. Monserrat. Gen. Mgr.: R. Caballero. Dir. Tec.: R. D. Wharton.
HOME SCE: DZMY 830 kc/s 5 kW: 21.00–17.00.
DZYY 1540 kc/s 1 kW: – DZYY-FM: 103.1 mc/s 0.25 kW 24 h per Day

PIONEER STATION
ADDR.: Alfred J. Wills Apo View Hotel Bldg., Davao City, Mindanao. – DXAW 1180 kc/s 1 kW: 21.00–16.00 in E., Vis.

REPUBLIC BROADCASTING SYSTEM
ADDR.: Radio Station DZBB, 4th Floor, Calvo Building, Escolta, Manila. Cable: "Bobstew". – L.P.: Gen. Mgr.: R. L. Stewart. Trafic Man. and in-charge of operations: G. E. Viduya.
HOME SCE: in English, Chinese, Tagalog:
DZBB 580 kc/s 10 kW. – DYSS 1560 kc/s 1 kW.: 20.00–18.00. – DZI4 6110 kc/s 49.10 m 7.5 kW.: 09.00–17.00. – DZXX 890 kc/s 1 kW: 21.00 –18.00. – DYOO 840 kc/s 1 kW: 20.00–16.00.

VISAYAN BROADCASTING SYSTEM
ADDR.: 3rd Floor, Masonic Temple, Plaza Libertad, Iloilo City.
L.P.: Dir.: E. Lopez.
HOME SCE: 21.00–16.00 (DYHF 15.00) – DYRI 1280 kc/s 1 kW. – DYHF 910 kc/s 1 kW.

VOICE OF AMERICA RADIO STATION IN NORTHERN LUZON
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Medium Wave: Philippines-B 1140 kc/s 263 m 1000 kW 11.30–16.30.
Short Wave: Philippines 35/100 kW: 10.30–18.00, 22.00–01.00.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
11735	25.56	15105	19.86	15275	19.64	17765	16.89
11790	25.45	15200	19.74	15335	19.56	17830	16.83

DAILY PRGR.: Medium Wave:

11.30–12.00 Canton.	13.30–14.00 English	15.00–15.30 Manda.
12.00–12.30 Manda.	14.00–14.30 Thai	15.30–16.00 Vietnam.
12.30–13.00 Vietnam.	14.30–15.00 Burmese	16.00–16.30 Manda.
13.00–13.30 Amoy		

Short-Wave: See U.S.A.

ANN.: "This is the Voice of America Radio Station in Northern Luzon the Philippines". – V. by QSL-card.

VOICE OF AMERICA RADIO STATION IN MANILA]
ADDRA: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Medium Wave: Manila-A 920 kc/s 326 m 50 kW 11.00–16.00.
Short Wave: Manila 7.5/50 kW 09.00–16.00, 22.00–01.00.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6060	49.50	9670	31.02	15210	19.72	17760	16.89
6120	49.02	11765	25.50	15250	19.67	17845	16.81
9590	31.28	11960	25.08				

DAILY PRGR.: Medium Wave:

11.00–11.30 Amoy	13.00–13.30 Manda.	14.30–15.00 Canton.
11.30–12.00 Canton.	13.00–14.30 Amoy	15.00–15.30 Manda.
12.00–12.30 Manda.	14.00–14.30 Manda.	15.30–16.00 English
12.30–13.00 Canton.		

Short Wave: See U.S.A.

ANN.: "This is the Voice of America Radio Station in Manila". V. by QSL-card.

MILITARY STATIONS
ARMED FORCES RADIO SERVICE (U.S. Military).]

Clark (Air Force): WVTM	1300 kc/s	230.8 m	0.05 kW
Sangley Point (Navy) KTLG:	1300 –	230.8 –	0.05 –
Subic Bay (Navy) KCMB:	1520 –	197.4 –	0.15 –

WVTM: Addr.: 13th Air Force, APO 74, S. Francisco, Calif., U.S.A.
KCMB: Addr.: Navy 3002, c/o FPO, S. Francisco, Calif., U.S.A.
D. Prgr.: W. 22.00–16.00 (Sat. 18.00). Sun. 00.00–16.00.
KTLG: Addr.: U.S.Naval St. 961, c/o FPO, S. Francisco, Cal., U.S.A.

★ RYUKYU ISLANDS ★

L.T.: GMT + 9 h. – L.: English, Japanese.

VOICE OF AMERICA RADIO STATION IN OKINAWA
ADDR.: Voice of America, Washington 25, D.C., U.S.A.
STATIONS:
Medium Wave: Okinawa-A 1180 kc/s 254 m 1000 kW 11.00–16.30.
Short Wave: Okinawa 35 kW 09.00–16.30.

kc/s	m	kc/s	m	kc/s	m
6145	48.82	9635	31.14	15380	19.51
7160	41.90	11830	25.36	17830	16.83

DAILY PRGR.: Medium Wave:

11.00–11.30 Russian	13.00–13.30 Korean	15.00–15.30 Manda.
11.30–12.00 Ukraini.	13.30–14.00 English	15.30–16.00 Russian
12.00–12.30 Manda.	14.00–14.30 Manda.	16.00–16.30 Manda.
12.30–13.00 Russian	14.30–15.00 English	

Short Wave: See U.S.A.

ANN.: "This is the Voice of America Radio Station in Okinawa". V. by QSL-card.

FAR EAST NETWORK (U.S. Army).
ADDR.: Box 461, Ft. Buckner (Okinawa), APO 331, S. Francisco. – STATION: 630 kc/s 1 kW 24 h. – ANN.: "This is the Far East Network, Okinawa". – V. by letter.

RYUKYUS BROADCASTING CORP. (Comm.).
Owned by the University of the Ryukyus Fund Raising Foundation and leased to a group of Ryukyan business men for comm. operation.
ADDR.: C.P.O. Box 186, Naha. Okinawa. Cable: Rykbroadco. – L.P.: Pres .and Gen. Mgr.: S. Zayasu.
HOME SCE: KSAR 740 kc/s 3 kW. – In Japanese: 21.00–15.00. – KSBK 880 kc/s 341 m 0.5 kW. In English: 20.30–16.30. – V. by letter. Rp.

★ SAMOA ★

L.T.: GMT + 11 h. – L.: English, Samoan. Rcvrs: 3500.

WESTERN SAMOA (N.Z.Trust Territory)
ADDR.: Broadcasting Department, Government of Western Samoa, Box 200 Apia. – Cable: "Voxpac". – L.P.: Dir. of Broadc.: C.H. Turner. Dir. Tec.: F. G. Burrow.
HOME SCE: 2AP Apia: 1420 kc/s 221.3 m 2 kW.
English: Mo.–Fri.: 17.45–19.30; Sat. 17.45–20.00; Mo., Wed., Sat. 05.30–07.00, Fri. 05.30–09.00. – Samoan & English: Mo.–Fri.: 19.30–20.30; Sun. 05.30–08.00. Samoan: Mo., Wed., Sat. 07.00–09.00.

EASTERN SAMOA (U.S.Territory).
RADIOSTATION WVUV
ADDR.: Office of Information and Adult Education, Pago Pago.
HOME SCE: English, Samoan: WVUV 1120 kc/s 267.8 m 0.05 kW. Mo. to Fri.: 20.00–22.00, 07.00–10.00. Fri. 20.00–Sat. 07.00. From Sat. 23.00–Sun. 03.00.
ANN.: E.: "This is Station WVUV, Pago Pago, American Samoa". – INT.-SIG.: St. identification, time break, and theme songs every 15 mins. from Mo. to Fri. – V. by letter. – F.PL.: Increase of power to 0.25 kW 1958. – PUB.: Weekly information paper and a daily news sheet in English.

★ SOLOMON ISLANDS (British) ★

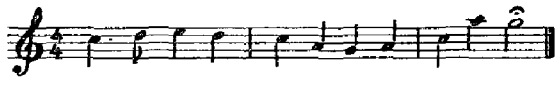
L.T.: GMT + 11 h. – L.: English, Vernaculars. – Rcvrs.: 360.

SOLOMON ISLANDS BROADCASTING SERVICE (Go.).
ADDR.: Broadc. Officer, Solomon Islands Broadc. Sce., Honiara. Cable: VQO Honiara. – L.P.: Broadc. Officer: R. F. Calvert.
HOME SCE: D. exc. Wed. 07.00–08.00. Wed. 06.30–08.00. VQO 1030 kc/s 291 m 0.4 kW – VQO2 5960 kc/s 50.34 m 0.1 kW. Prgr. incl. N. in E. and pidgin-E., shipping inf. wrp., requestprgr. and prgr. for Melanesians. – V. by letter. – F. PL.: m.w. 0.6 kW., sw: 5 kW. 1958.

★ TAHITI (French) ★

L.T.: GMT + 10 h. – L.: Tahitian, French. – Rcvrs.: 10.000.

RADIO TAHITI (Go.).
ADDR.: Radio-Tahiti, rue Dumont d'Urville, Papeete. – L.P.: Dir. Information: M. Baudouin. Asst. Dir.: M. Espinasse.
HOME SCE: 6135 kc/s 48.90 m 4 kW.
French: 05.00–07.30, 22.00–23.00. N.: 06.00. – Wrp.: 22.00. – Mbg.: 05.30.
English: 07.30–07.45. Tahitian: 03.30–05.00, 22.05–22.15. Mbg.: Sat. 04.30. Wrp.: 04.15.
ANN.: "Ici Radio Tahiti, la voix de la France".
INT. SIG.: Tahitian Drums – V. by QSL-card.



NORTH AMERICA

★ ALASKA (U.S. Territory) ★

L.T.: see Time Table. – L.: English. – Rcvrs.: 120.000.

PRIVATE COMM. STATIONS

Call	kc/s	kW			
KENI	550	5	16.00–10.00	Midnight Sun Broadc.,	Anchorage
KABI	580	1/0.5	14.30–07.00	Midnight Sun Broadc.,	Ketchikan
KJNO	630	1/0.5	14.30–07.00	Midnight Sun Broadc.,	Juneau
KFAR	660	10	16.00–10.00	Midnight Sun Broadc.,	Fairbanks
KFQD	730	10	16.00–10.00	Anchorage Broadc.s,	Anchorage
KINY	800	5	14.30–08.00	Alaska Broadc. Co.,	Juneau
KFRB	900	10	24h per day	Radio Anchorage, Inc.,	Fairbanks
KTKN	930	1	14.30–08.00	Robert C. Meehan,	Ketchikan
KIFW	1230	0.25	16.00–08.00	Alaska Broadc. Co.,	Sitka
KBYR	1270	1	24h per day	Radio Anchorage, Inc.,	Anchorage
KIBH	1340	0.25	16.00–08.00	Seward Broadc. Co.,	Seward
KSEW	1400	0.25		Voice of Sheldon Jackson,	Seward
KLAM	1450	0.25	18.30–17.30	Northern Light Broadc.,	Cordova

ARMED FORCES RADIO AND TELEVISION SERVICE

ADDR.: Headquarters, Alaskan Command, APO 942, Seattle, Washington, U.S.A.

	kc/s	m			kc/s	m	
AFRS	570	0.02[3])	Adak	AFRS	1550	0.01[2])	Fire Island
AFRS	570	0.25[2])	Campion	AFRS	1550	0.01[2])	Sparrevohn
AFRS	590	1 [2])	Nome	AFRS	1550	0.01	Nevenham
AFRS	620	0.05[2])	Ladd	AFRS	1550	0.01[2])	Indian Mountain
AFRS	790	0.05[2])	Eielson				
AFRS	790	0.05[2])	King Salm.	AFRS	1570	0.01[2])	Northeast Cape
AFRS	850	0.05[2])	Elmendorf				
WVCQ	960	0.25[3])	Kodiak	AFRS	1570	0.01[2])	C. Lisburne
WXLL	980	0.05[1])	Fort Greely	AFRS	1590	0.01[1])	Cape Romanzoff
ALAW	980	0.05[1])	Whittier				
AFRS	1550	0.01[2])	Cape Prince of Wales				

[1]) Army [2]) Air Force [3]) Navy.

★ CANADA ★

L.T.: See table: World Time. – L.: English, French. – Rcvrs.: 6.500.000.

CANADIAN BROADCASTING CORPORATION INTERNATIONAL SERVICE (Publicly owned).

ADDR.: Canadian Broadcasting Corporation, International Service, P.O. Box 6000, Montreal, Canada. – Cable: "Intrad".

L.P.: Dir.: C. R. Delafield. Supervisor of Sections: A. L. Pidgeon. Supervisor of Engineering Services: J. M. Laporte. Press and Information Representative: H. Shane.

STATIONS: All international s.w. broadcasts from Canada are directed by CBC International Service, which is owned by the people of Canada. All prgrs. are produced in Montreal and beamed from two 50 kW transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inaugurated Feb. 25, 1945.

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
CKNA	5970	50.25	CHLR	9710	30.90	CKCX	15190	19.75
CHAY	5990	50.08	CHFO	9740	30.80	CKCS	15320	19.58
CKRZ	6060	49.50	CKXA	11705	25.63	CHSB	17710	16.94
CKOB	6090	49.26	CHOL	11720	25.60	CHRX	17735	16.92
CHAC	6160	48.70	CKRA	11760	25.51	CKNC	17820	16.84
CKLP	9585	31.30	CKEX	11900	25.21	CHYS	17865	16.80
CHLS	9610	31.22	CKNK	11945	25.12	CKRP	21600	13.89
CKLO	9630	31.15	CKLX	15090	19.88	CHLA	21710	13.82

EUROPEAN SERVICE:

	Winter Nov.–Febr.	Equinox March-April Sept.-Oct.	Summer May-Aug.
12.00–17.00	19–16 m.b.	19–16 m.b.	19–16 m.b.
17.00–19.00	25–19–16 –	19–16 –	19–16 –
19.00–21.30	31–25 –	25–19–16 –	19–16 –

Daily Prgr.:

11.55–12.35: For Canadian Forces in Europe (Mo. to Fri. only).
11.55–13.00: Czech (Sat. only).
12.55–14.05: For Canadian Forces in Europe (Sun. only).
13.00–14.00: For Canadian Forces in Europe (Sat. only).
13.25–14.00: For Canadian Forces and Prgrs. for Europe (Mo. to Fri.)
14.00–14.15: Announcements, Program Preview.
14.15–14.45: Russian.
14.45–15.15: Ukrainian.
15.15–16.00: Prgrs. for Europe.
16.00–16.30: Polish.
16.30–17.00: Czech.
17.00–17.30: German.
17.30–18.00: Russian.
18.00–18.15: Polish.
18.15–18.30: Slovak.
18.30–18.45 Hungarian.
18.45–19.00: N. in English for ships at sea.
} Mo. to Fri.

19.00–19.30: Czech.
19.30–20.00: German.
} Mo.–Fri.

20.00–20.30: French.
20.30–21.00: English.
21.00–21.15: Ukrainian.
21.15–21.30: Russian.

17.30–18.00: Swedish.
18.00–18.30: Norwegian.
18.30–19.00: Danish.
19.00–19.30: Dutch.
19.30–20.00: Italian.
} Sat., Sun. only

LATIN AMERICAN SCE.:

	Winter Nov.–Febr.	Equinox March–April Sept.–Oct.	Summer May–Aug.
22.55–00.35	25–19 m.b.	25–19 m.b.	25–19 m.b.

Daily Prgrs.: 22.55–23.45 Portuguese – 23.45–00.35 Spanish.

AMERICAN SCE.:

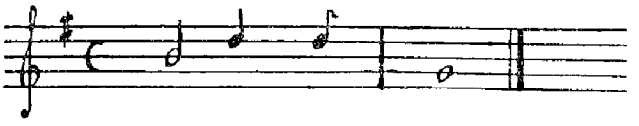
	Winter Nov.–Febr.	Equinox March–April Sept.–Oct.	Summer May–Aug.
00.55–01.45 English	31–19 m.b.	25–19 m.b.	25–19 m.b.

NO. W. TERRITORIES AND ARCTIC SETTLEMENTS SCE.:
02.55–03.35: English in 31, 25 or 19 m.b.
03.35–04.20: English (Northern Messenger). Sun. only EST. Nov. to May in 31, 25 or 19 m.b.

AUSTRALASIAN SCE.: D. 08.25–09.15 English in 31, 25 or 19 m.b.

ANN.: "This is the International Service of the Canadian Broadcasting Corporation." "Ici Radio Canada." "This is Canada.""

INT.-SIG.: First four notes of the National Anthem "O Canada":



MESSAGE TO LISTENERS: The CBC International Service greets shortwave listeners everywhere, and welcomes reports, queries and comments on reception and programs. Please write to: Box 6000, Montreal. – V. by letter or QSL-card.

CBC HOME SERVICE, NATIONAL SERVICE (Publicly owned)

Abbreviations: Nf = Newfoundland. NS = Nova Scotia. PEI = Prince Edward Island. NB = New Brunswick. P = Pacific. Qu = Quebec. O = Ontario. M = Manitoba. Sa = Saskatchewan. Al = Alberta. BC = British Columbia. W = Winnipeg. Pr = Province. Prince R. = Prince Rupert.

ADDR.: Canadian Broadcasting Corporation. 140 Wellington Street, Ottawa, O (Head Office). Locations of regional offices: T. A. Building, St. John's Nf. (Nf. Regional); United Services Building, Halifax, NS (Maritime Region); 1425 Dorchester Street West, Montreal, Qu (Qu Region); 354 Jarvis Street, Toronto, O (O Region); 541 Portage Ave. W., M (Prairie Region); 701 Hornby Street, Vancouver, BC (P Region); European Office: 200 Oxford Street, London W. 1., England. New York Offices: c/o United Nations, New York, N.Y., U.S.A.

L.P.: Head Office: Man. J. A. Ouimet. Asst. Gen. Man.: E. L. Bushnell. Controller of Broadc.: Charles Jennings. Asst. Controller of Broadc.: Marcel Ouimet. Dir. of Engineering: W. G. Richardson. Dir. of Press and Information: R. C. Fraser.

ENGLISH NETWORK:

Medium Waves:

		kc/s	kW				kc/s	kW	
1	CBN	640	10	St.John's-Nf.	5	CBL	740	50	Toronto-O
	CBG	1450	0.25	Gander-Nf.	6	CJBC	860	50	Toronto-O
	CBT	990	1	Gr.Falls-Nf.	7	CBE	1550	10	Windsor-O
	CBY	790	1	CornerB.-Nf.	8	CBW	990	50	Winnipeg-M
2	CBI	1140	5	Sydney-NS.	9	CBK	540	50	Watrous-Sa
	CBH	1330	0.1	Halifax-NS.	10	CBX	1010	50	Edmonton-Al
3	CBA	1070	50	Sackvil.-NB.		CBXA	740	0.25	–
4	CBM	940	50	Montr.-Qu.	11	CBU	690	10	Vanc.-BC
	CBO	910	5	Ottawa-O.		CFPR	1240	0.25	Prince R., BC

FM.

4	CBM	100.7	3.86	Montr.-Qu
	CBO	103.3	0.38	Ottawa-O
5	CBL	99.1	11.90	Toronto-O
11	CBU	105.7	1.40	Vancouv.-BC

Short Waves.

1	CBNX	5970	0.3	St.John's*)
11	CBUX	6160	0.5	Vancouv.**)

*) Relay CBN **) relay CBU

1. Addr.: Newfoundland Hotel, St. John's Nf. – D. Prgr.: 10.30–03.05. – V. by QSL-card.
2. Addr.: 247 Charlotte Str., Sydney, N.S. – D. Prgr.: W. 11.00–04.15. V. by QSL-card.
3. Addr.: United Services Building, 100 Sackville Str., Halifax, N.S. – D. Prgr.: W. 11.30–04.00. Sun. 12.45–04.15.
4. Addr.: Radio Canada Building, 1425 Dorchester Str., Montreal, Qu. – D. Prgr.: W. 12.00–05.00. Sun. 13.00–05.00.

map Greenland North America

5. **Addr.:** 354 Jarvis Str., Toronto 5, O. – **D. Prgr.:** W. 12.00–05.00. Sun. 13.00–05.00.
6. **Addr.:** 354 Jarvis Str., Toronto 5, O. – **D. Prgr.:** W. 12.00–05.00. Sun. 13.45–05.00.
7. **Addr.:** Security Building, Windsor, O. – **D. Prgr.:** W. 12.45–05.30. Sun. 13.00–05.30.
8. **Addr.:** P.O. Box 160, Winnipeg, M. – **D. Prgr.:** W. 12.45–06.00. Sun. 14.45–06.00.
9. **Addr.:** P.O. Box 148, Regina, Sa. – **D. Prgr.:** W. 13.45–08.00. Sun. 15.45–08.00.
10. **Addr.:** Mac Donald Hotel, Edmonton, A. – **D. Prgr.:** 13.45–08.00.
11. **Addr.:** 701 Hornby Str., Vancouver, B.C. – **D. Prgr.:** W. 14.45–08.00. Sun. 15.55–08.00. – **N.:** 15.30 (W), 16.00, 19.00 (Sun.), 20.15 (W), 23.00 (Sun.), 01.45 (W), 03.00, 06.00, 07.57.

FRENCH NETWORK:

M.W.	kc/s	kW	City.	Short Waves (Montreal 7.5 kW)	kc/s		kc/s
CBF	690	50	Montreal	CBFW	6090	CBFY	11705
CBJ	1580	10	Chicoutimi	CBFR	9520	CBFL	11720
CBV	980	5	Quebec	CBFX	9610	CBFA	11760
CBAF	1300	5	Moncton	CBFO	9630	CBFZ	15190

FM: CBF 95.1 mc/s 3.86 kW Montreal.
CBAF (Basic St.): Addr.: Assumption Bldg., 232 St. George Str., Moncton, N.B. – **D. Prgr.:** 11.00–04.30.
PUB.: Weekly: "CBC Times" (English) – "La semaine à Radio-Canada" (French) – Seven times a year: "CBC R. Canada prgr.-schedule" for listeners outside Canada.

PRIVATELY OWNED COMMERCIAL STATIONS

CANADIAN ASSOCIATION OF RADIO AND TELEVISION BROADCASTERS: Head Office, 108 sparks, Str. Ottawa 4.

MediumWaves: 109 low-power stations not mentioned. FM: 26 stations.

1	CHLN	500	5	18.	CKSO	790	5	38.	CKWX	980	5[1])
2.	CFNB	550	5	19.	CHAB	800	5	39.	CFRB	1010	50[1])[2])d.
3.	CFRA	560	5	20.	CHRC	800	5	40.	CFCN	1060	10d[1])
4.	CJKL	560	5	21.	CJAD	800	5	41.	CHOK	1070	5d
5.	CJFX	580	5	22.	CKLW	800	50	42.	CHSJ	1150	5
6.	CKEY	580	5	23.	CKVL	850	10[2])	43.	CKOC	1150	5
7.	CKY	580	5	24.	CHML	900	5	44.	CJOC	1220	5
7a.	CKUA	580	1	25.	CJBR	900	5d[2])	45.	CKCW	1220	10
8.	CFCF	600	5[2])	26.	CJVI	900	5d	45a.	CKSB	1250	
9.	CFQC	600	5	27.	CKBI	900	5	46.	CFRN	1260	5[2])
10.	CJOR	600	5	28.	CJCH	920	5	47.	CJCB	1270	5[1])[2])
11.	CHNC	610	5	29.	CFBC	930	5	48.	CKDA	1280	5d[2])
12.	CKCK	620	5	30.	CJCA	930	5[1])	48a.	CKSL	1290	5d
12a.	CKTB	620	1[2])	31.	CJON	930	5	49.	CKOY	1310	5
13.	CFCY	630	5	32.	CFAC	960	5	50.	CKNW	1320	5
14.	CKRC	630	5	33.	CHNS	960	5	51.	CKLB	1350	5d[2])
15.	CHFA	680	5	34.	CKWS	960	5	52.	CKOM	1420	5
16.	CKGB	680	5	35.	CKCH	970	5	52b.	CFOS	1470	1
16a.	CFRG	710	5	36.	CFPL	980	5[2])	53.	CKCR	1490	0.25[2])
17.	CKAC	730	10	37.	CKRM	980	5	54.	CFOR	1570	5

[1]) Short wave. [2]) +FM.

Short Waves:		kc/s	m	kW	m.w.
30.	VE9AI	9540*)	31.45	0.1	930
38.	CKFX	6080	49.34	0.01	980
39.	CFRX	6070	49.42	1	1010
40.	CFVP	6030	49.75	0.1	1010
47.	CJCX	6010	49.92	1	1270

*) exp.

1. CHLN – **R. Trois Rivieres Inc.,** 522 Bonaventure St., Trois Rivieres, Qu. – **D. Prgr.:** 09.55–04.00. – x.
2. CFNZ – York St., Fredericton N.B. – **D. Prgr.:** 09.30–03.15, Sun. 11.03–03.15.
3. CFRA – **CFRA Ltd.,** Auditorium, Ottawa. – **D. Prgr.:** D. 24 h.
4. CJKL – **Kirkland Lake Broadc. Ltd.,** Government Rd. W., Kirkland Lake. – **D. Prgr.:** W. 10.00–04.15, Sun. 12.00–04.15.
5. CJFX – **Atlantic Broadcasters Ltd.,** St. Ninian Str., Antigonish N.S. – **L.P.:** Mgr., Dir. Tec.: J.Mc.Dougall. – **D. Prgr.:** 10.00–15.10. – **V.** by letter.
6. CKEY – **Toronto Broadc. Co.,** 444, University Ave., Toronto, O. – **D. Prgr.:** 24 hours daily.
7. CKY – **Broadc. St. CKY Ltd.,** Loredore Bldg., 432 Main Str., Winnipeg, M. – **D. Prgr.:** W. 11.00–06.00, Sun. 12.15–05.00.
7a. CKCA – 105, 26 Jasper Av., Edmonton A. – **D. Prgr.:** 11.45–05.10. – FM.
8. CFCF (-FM 106.6 mc/s) – **Canadian Marconi Co. Ltd.,** 4824 Cote des Neiges Rd, Montreal, Qu. – **D. Prgr.:** W. 09.30–05.30, Sun. 12.00–04.00. – **V.** by QSL-card.
9. CFQC – 212–216 First Avenue N., Saskatoon, Sas. – **D. Prgr.:** W. 12.00–07.00, Sun. 13.00–06.00.
10. CJOR – **CJOR Ltd.,** 846 Howe Str., Vancouver, B.C. – **D. Prgr.:** 24 hours daily.
11. CHNC – **The Gaspesia R. Broadc. Co. Ltd.,** Main St., N. Carlisle, Qu. – **D. Prgr.:** W. 11.00–04.00, Sun. 13.30–04.00.
12. CKCK – **Trans-Canada Communications,** The Leader Post Bldg., Regina, Sas. – **D. Prgr.:** W. 11.55–07.05, Sun. 13.00–06.05.
12a. CKTB – **The Niagara District Broadc. Co. Ltd.,** P.O. Box 250, St. Catharines, O. – **L.P.:** Dir. Gen. Miss M.C.Burgoyne. Dir. Tec.: W.Allen. – **D. Prgr.:** D. 11.45–06.10. – **V.** by QSL-card or letter. – FM: 97.7 mc/s 0.25 kW. **Polish:** Sun. 16.00–17.00. **German:** Sun., Wed. 02.00–03.00. **Ukranian:** Sun., Sat. 19.00–20.00. –
13. CFCY – **Island R. Broadc. Co. Ltd.,** Broadc. Centre, 85 Kent St. Charlottetown, PEI. – **D. Prgr.:** W. 10.15–03.00, Sun. 12.00–03.00.
14. CKRC – 300 Carlton St., Winnipeg. – **L.P.:** Mgr. W.Speers. Dir. Tec.: A.Hooper. – **D. Prgr.:** W. 11.30–07.05. – **V.** by letter. – **F.PL.:** Increase to 10 kW.
15. CHFA – **R. Edmonton Ltd.,** 10012–109th Str., Edmonton A. – **D. Prgr.:** W. 12.56–06.02, Sun. 15.56–06.02.
16. CKGB – **Timmins Broadc. Ltd.,** Thomson Bldg., Timmins, O. – **D. Prgr.:** W. 08.11–04.10, Sun. 09.58–05.00.
16a. CFRG – **Radio Gravelbourg,** Gravelbourg, Sask.
17. CKAC – **La Compagnie de Publication de "La Presse",** 980 St. Catherine Str., W., Montreal, Qu. – **D. Prgr.:** 09.55–04.35.
18. CKSO – **CKSO R. Ltd.,** Box 400, Sudbury, On. – **D. Prgr.:** W. 10.30–05.00, Sun. 12.00–05.00.
19. CHAB – 127 Main St. N., Moose Jaw, Sa. – **L.P.:** Mgr. S.Boyling. Dir. Tec.: M.Pickford. – **D. Prgr.:** 11.55–06.05.
20. CHRC – **CHRC Ltd.,** 39 rue St-Jean, Qu. – **L.P.:** Dir. Gen. M. Alain. – **D. Prgr.:** French W. 10.00–04.00. – **V.** by QSL-card.
21. CJAD – **CJAD Ltd.,** 1191 Mountain Str., Montreal P.Q. – **D. Prgr.:** W. 10.00–05.00 (Sat. 04.40), Sun. 12.00–04.05.
22. CKLW – **Western Ontario Broadc. Co. Ltd.,** 825 Sandwich St. West, Windsor, O. – **D. Prgr.:** 24 hours.
23. CKVL – **CKVL Ltd.,** 213 Gordon Ave, Verdun, Qu. – **D. Prgr.:** 24 hours a day 7 days weekly. – **FM.**
24. CHML – **Maple Leaf Broadc. Co. Ltd.,** 848 Main Str., Hamilton, O. – **D. Prgr.:** W. 09.00–06.15, Sun. 11.00–06.15.
25. CJBR – **Radio Station CJBR,** The Central Public Service, 6 St. Jean, Rimouski, P.Q. – **D. Prgr.:** 10.30–04.30. – **FM:** 101.5 mc/s.
26. CJVI – **Island Broadc. Co. Ltd.,** 817 Fort Str., Victoria, B.C. – **D. Prgr.:** 13.00–08.00. – **N.:** hourly. – **Wrp.:** 19.10, 03.10, 05.00.
27. CKBI – **Central Broadc. Co. Ltd.,** Sanderson Bldg., Prince Albert, Sas. – **D. Prgr.:** W. 12.00–07.00, Sun. 12.30–07.00.
28. CJCH – **The Chronicle Comp. Ltd.,** Robie Str., Halifax. – **D. Prgr.:** W. 09.30–04.00, Sun. 10.55–15.10.
29. CFBC – **Fundy Broadc. Co. Ltd.,** 68 Carleton Str., S. John, N.B. – **D. Prgr.:** W. 09.00–04.00, Sun. 11.00–03.15.
30. CJCA – 9540 kc/s – **Edmonton Broadc. Ltd.,** 452 Borks Bldg., Edmonton, A. – **D. Prgr.:** D. 13.00–07.00.
31. CJON – **The Newfoundland Broadc. Co. Ltd.,** Broadc. House, Prince of Wales Str., St. John's Nf. – **D. Prgr.:** 10.30–04.30.
32. CFAC – **Calgary Broadc. Co. Ltd.,** Greyhound Bldg., Calgary, A. – **D. Prgr.:** W. 11.30–07.00, Sun. 13.00–06.00.
33. CHNS – **The Maritime Broadc. Co.,** Broadc. House, Halifax N.S. – **D. Prgr.:** W. 09.30–03.30, Sun. 12.00–15.30.
34. CKWS – **The Frontenac Broadc. Co.,** Radio-TV Centre, Kingston, O. – **D. Prgr.:** W. 10.00 (Sat. 09.45, Sun. 11.45)–04.10.
35. CKCH – Le Droit, Ottawa, O. – **D. Prgr.:** W. 09.59–04.10, Sun. 12.55–04.10.
36. CFPL-Radio – **London Free Press Building,** Richmond St., London, O. – **FM:** 95.9 mc/s 4.5 kW. – **L.P.:** Mgr. D.C.Trowell. – **D. Prgr.:** 24 h. a day. – **V.** by letter.
37. CKRM – **W. Communications Ltd.,** 2060 Halifax Str., Regina, Sas. – **D. Prgr.:** W. 12.00–07.00, Sun. 13.30–06.00.
38. CKWX – 6080 kc/s – **CKWX Ltd.,** 543 Seymour St., Vancouver. – **D. Prgr.:** W. 13.00–08.05, Sun. 15.00–09.05. – **V.** by letter.
39. CFRB – 6070 kc/s – FM 99.9 mc/s – **Rogers R. Broadc. Co. Ltd.,** 37 Bloor Str., W., Toronto 5, O. – **L.P.:** Mgr.: E.L.Moore. Dir. Tec.: C.Eastwood. – **D. Prgr.:** W. 09.45–05.05, Sun. 11.30–04.10. – **V.** by QSL-card.
40. CFCN – 6030 kc/s – **The Voice of the Prairies Ltd.,** 712 12th Av. East, Calgary, A. – **D. Prgr.:** 24 h. a day. – **Ann.:** "Dial 1060 CFCN the Voice of the Prairies". – **V.** by QSL-card. Postage paid.
41. CHOK – **Sarnia Broadc. Co. Ltd.,** 148 N. Front Str., Sarnia, O. – **D. Prgr.:** 10.30–04.15. – **V.** by letter.
42. CHSJ – **N. Brunswick Broadc. Co.,** 14 Church Str., S. John, N.B. – **D. Prgr.:** W. 09.00–04.00, Sun. 11.00–03.15.
43. CKOC – **Wentworth R. Broadc. Co. Ltd.,** 32 John Str. N., Hamilton, O. – **D. Prgr.:** W. 09.45–05.06, Sun. 11.55–04.11.
44. CJOC – **Lethbridge Broadc. Ltd.,** 1015 Third Av., S., Lethbridge, A. – **D. Prgr.:** W. 12.00–06.00, Sun. 13.30–06.00.
45. CKCW – **Moncton Broadc. Ltd.,** Knights of Pythias Bldg., Moncton, N.B. – **D. Prgr.:** W. 09.00–04.00 (Sat. 05.00, Sun. 11.00).
46. CFRN – **Sunwapta Broadc. Co. Ltd.,** CPP Bldg., Edmonton, A. – **D. Prgr.:** 24. h. – **FM:** 100.3 mc/s 0.25 kW. – **V.** by letter.
47. CJBC – 6010 kc/s – **Cape Breton Broadcasters Ltd.,** R. Building, Sydney, N.S. – **D. Prgr.:** 10.00–03.00. – **FM:** 94.9 mc/s. – **V.** by QSL-card.

48. CKDA – **Capital Broadc. System Ltd.**, Hotel Douglas, Victoria, B.C. – **D. Prgr.**: W. 13.00–08.00, Sun. 14.00–07.00. – **FM**: 98.5 mc/s 0.5 kW. – **V.** by letter.
48a. CKSL – **London Broadcasters Ltd.**, 343 Richmond St., London, O.
49. CKOY – **CKOY Ltd.**, 635 Richmond Rd., Ottawa, O. – **D. Prgr.**: 24 hours.
50. CKNW – **International Broadc. Co. Ltd.**, 227 Columbia St., N. Westminster, B.C. – **D. Prgr.**: 24 hours.
51. CKLB – **The Lakeland Broadc. Co. Ltd.**, 16 Centre Str., Oshawa, O. – **D. Prgr.**: 11.00–06.00. – **V.** by letter. – **FM**: 5 kW.
52. CKOM – **Saskatoon Community Broadc. Co. Ltd.**, Empire Hotel, Saskatoon, Sas. – **D. Prgr.**: 11.30–07.00.
52b. CFOS – 9th St. E., Owen Sound, O. – **D. Prgr.**: 11.30–04.30. – V. by QSL-card.
53. CKCR – **Kitchiner-Waterloo Broadc. Co. Ltd.**, 125 King Str. W. Kitchener, O. – **D. Prgr.**: in E., G., Dutch: 10.55–05.15. – **V.** by letter. – FM: 96.7 mc/s.
54. CFOR – 241 West Str. N. Orillia, O. – **D. Prgr.**: 11.00–04.30. – V. by letter. Postage required.

MILITARY STATIONS (US Army)
CHFC 1230 kc/s 0.1 kW Ft. Churchill.

★ UNITED STATES OF AMERICA ★

L.T.: See World time Tabel. – **L.**: English. – **Rcvrs.**: 135.000.000.

VOICE OF AMERICA (Govt.) Continental USA.

"THE VOICE OF AMERICA" is operated by the Broadcasting Service of the United States Information Agency. The VOA seeks to promote an increased understanding of the United States among the peoples of the world and to strengthen cooperative international relations.
ADDR.: Voice of America, U.S. Information. Agency, 330 Independence Av., Washington D.C., U.S.A. – **L.P.**: Dir. Gen.: Arthur Larson. Dir. Broadcasting Sce.: Robert E. Button. Radio Mgr.: Barry Zorthian T.V. Mgr.: Frederick A. Long. Chief Eng.: Edgar Martin. Facilities Engineer: John Doud. Chief, Field Relations: Jerome A. Stone.
STATIONS:
KCBR (50/100/200 kW), Columbia Broadcasting System, Inc., Delano, California.
KNBH (50/100/200 kW), National Broadcasting Company, Inc., Dixon, California.
WBOU (50 kW), National Broadcasting Company, Inc., Bound Brook, New Jersey.
WDSI (50 kW), Columbia Broadcasting Company, Inc., Brentwood, New York.
WDSI (50 kW), Columbia Broadcasting Company, Inc., Wayne, New Jersey.
WGEO (25/50/100 kW), General Electric Company, Schenectady, New York.
WLWO (110 kW), Crosley Broadcasting Corporation, Mason, Ohio.

Station	kc/s	m	Station	kc/s	m	Station	kc/s	m
KNBH	6020	49.83	KNBH	11900	25.21	KCBR	17770	16.88
KCBR	6040	49.67	WLWO	11970	25.06	WBOU	17780	16.87
KNBH	6060	49.50	KCBR	15130	19.83	KNBH	17795	16.86
KCBR	6185	48.50	WBOU	15130	19.83	WLWO	17795	16.86
KNBH	9515	31.53	KNBH	15150	19.80	WDSI	17830	16.83
WBOU	9530	31.48	WBOU	15150	19.80	KCBR	17850	16.81
WGEO	9530	31.48	WBOU	15190	19.75	WDSI	17875	16.78
WLWO	9545	31.43	WBOU	15210	19.72	KCBR	17880	16.78
KCBR	9570	31.35	WBOU	15230	19.70	WLWO	17880	16.78
KNBH	9590	31.28	KNBH	15250	19.67	WLWO	21485	13.96
KCBR	9600	31.25	WLWO	15250	19.67	WDSI	21500	13.95
WDSI	9650	31.09	WBOU	15270	19.65	WBOU	21540	13.93
KCBR	9700	30.93	WDSI	15270	19.65	WLWO	21570	13.91
WDSI	9700	30.93	WDSI	15275	19.64	WGEO	21590	13.90
WBOU	11710	25.62	WDSI	15285	19.63	KCBR	21610	13.88
KNBH	11715	25.61	KCBR	15290	19.62	WLWO	21610	13.88
KNBH	11740	25.55	KCBR	15315	19.59	WLWO	21615	13.88
WDSI	11790	25.45	WGEO	15330	19.57	WDSI	21650	13.86
WDSI	11830	25.36	KCBR	15350	19.54	WDSI	21690	13.83
WLWO	11850	25.32	WBOU	15440	19.43	WBOU	21730	13.81
KCBR	11870	25.27	KCBR	17760	16.89	KCBR	21740	13.80
WBOU	11870	25.27	WBOU	17760	16.89	WBOU	25950	11.56
WBOU	11890	25.23	WGEO	17760	16.89	WBOU	26040	11.52

RELAY STATIONS:
For frequencies of the relay stations, refer to the individual countries: Germany, Greece, Dodecanese Islands, Great Britain, Tangier, Ceylon, Hawaii, Ruykyu Islands, and Philippines.
ANNOUNCEMENT:
Each program ends with these words spoken in English: "This program has come to you from the United States of America". The station identification is then announced in English.
VERIFICATION by QSL-card. No return postage required.

To Europe, Near- and Middle East

Language	Time	U.S. m.b.	Relay Bases
ALBANIAN	05.30–06.00	—	19, 25, 31
	18.30–19.00	11, 13, 16, 19	19, 25, 379
	20.30–21.00	—	25, 31
	22.30–23.00	—	19, 25
ARABIC	03.15–03.30	16, 19, 25	—
	04.00–07.00	—	19, 25, 31
	14.00–15.00	—	16, 19
	15.00–15.15	13, 16	16, 19
	15.15–16.00	—	16, 19
	17.00–18.00	—	19, 25, 31, 41, 238
	18.00–18.30	13, 16	19, 25, 31, 41, 238
	18.30–19.15	—	19, 25, 31, 41, 238
	19.15–19.30	13, 16, 19	19, 25, 31, 41, 238
	19.30–20.45	—	19, 25
	20.45–21.00	13, 16	19, 25, 31, 41, 238
ARMENIAN	15.30–16.00	11, 13, 16	13, 16, 19, 25
	21.30–22.00	—	31, 41, 238
BULGARIAN	03.30–04.00	—	25, 31
	17.30–18.00	—	13, 16, 31, 379
	18.30–19.00	—	11, 31, 41
	19.30–20.00	11, 13, 16, 19	19, 25, 31, 41, 379
	20.30–21.00	—	41, 49
	21.30–22.00	—	19, 25, 41, 49
	22.30–23.00	—	16, 25, 31, 41, 238
CZECH & SLOVAK	04.00–04.30	—	19, 25, 31
	18.00–18.30	13, 16, 19	19, 25
	20.30–21.00	13, 16	16, 19, 41
	22.00–22.30	13, 16, 19	16, 19, 25, 41
	23.00–23.30	—	16, 19, 25
ENGLISH	04.00–04.30	—	19, 31
	18.00–19.00	11, 13, 16	13, 16, 19, 31, 41
	20.00–20.30	13, 16, 19	16, 19
	21.00–21.30	13, 16, 19	19, 31, 41
	22.30–23.00	—	1734
ESTONIAN	17.00–17.30	—	11, 16, 19, 25
	18.30–19.00	—	16, 19, 25
	20.00–20.30	13, 16	16, 19, 25, 31, 251
	21.30–22.00	—	16, 19, 25, 31
FRENCH	05.15–05.30	—	19, 25, 31
	17.30–18.00	11, 13, 16	—
	21.30–21.45	13, 16, 19	25, 31
GEORGIAN	16.00–16.30	11, 13, 16	13, 16, 19
	21.00–21.30	—	31, 41, 238
GERMAN	17.15–17.30	11, 13, 16	251, 1734
	21.15–21.45	13, 16	—
	21.45–22.00	13, 16, 19	19, 25, 31
GREEK	17.15–17.30	13, 16, 19	13, 16, 379
	20.30–20.45	13, 16	16, 19
	21.00–21.15	—	379
HUNGARIAN	05.00–05.30	—	19, 25, 31
	17.30–18.00	13, 16, 19	16, 19, 25
	18.30–19.00	—	13, 16, 31, 1734
	19.30–20.00	—	16, 19
	20.30–21.00	11, 13, 16, 19	19, 25, 31, 41, 379
	21.00–21.15	—	19, 25
	21.30–22.00	—	19, 41
	22.30–23.00		16, 19, 31, 41
ITALIAN	15.30–15.45	—	RAI
LATVIAN	16.00–16.30	—	11, 16, 19, 25
	17.30–18.00	—	16, 19, 25, 251
	19.00–19.30	13, 16	16, 19, 25, 31
	20.30–21.00	—	25, 31, 251
LITHUANIAN	03.00–03.30	—	16, 19, 25, 31
	16.30–17.00	—	16, 19, 25
	18.00–18.30	—	16, 19, 25, 251
	19.30–20.00	13, 16	16, 19, 25, 31
	21.00–21.30	—	16, 19, 25, 31
MUSIC USA	19.00–21.00	—	19, 31, 41
	22.00–23.00	—	19, 31
	23.00–00.00	—	19, 31, 1734
PERSIAN	16.00–16.30	11, 13, 16	11, 13, 16, 19, 238
	16.30–17.00	—	11, 13, 19
	17.00–17.30	—	11, 13, 16, 19
	17.30–18.00	—	11, 13, 19
POLISH	04.30–05.00	—	16, 19, 25, 31
	16.30–17.00	11, 13, 16, 19	11, 13, 16, 19, 25
	17.30–18.00	—	1734
	18.30–19.00	—	25, 31
	19.30–20.00	—	16, 19, 25, 31, 251, 1734
	20.30–21.00	13, 16, 19	16, 25, 41, 1734
	21.30–22.00	—	251

To Europe, Near- and Middle East

Language	Time	U.S. m.b.	Relay Bases
	22.30–23.00	—	16, 19, 25, 31, 41, 251
RUMANIAN	04.00–04.30	—	16, 19, 25
	17.00–17.30	11, 13, 16, 19	16, 19, 25, 31
	18.00–18.30	—	31, 379
	19.00–19.30	—	25, 31, 41
	20.00–20.30	11, 13, 16, 19	16, 19, 25, 31, 41, 379
	21.00–21.30	—	41, 49
	22.00–22.30	—	16, 19, 25, 31, 41, 238
RUSSIAN	02.30–03.00	16, 19, 25, 31	16, 19, 25, 31
	03.30–04.00	—	16, 19, 25, 31
	04.30–05.00	—	16, 19, 25
	05.30–06.00	—	16, 19, 25
	07.00–08.00	—	13, 16, 19
	14.00–14.45	—	11, 13, 16, 19, 25
	14.45–15.00	—	11, 16, 19, 25
	15.00–15.30	11, 13, 16	11, 13, 16, 19, 25
	15.30–16.00	—	11, 19, 25, 1734
	16.00–16.30	—	13, 16, 19, 25, 1734
	16.30–17.00	—	13, 16, 19, 251, 1734
	17.00–17.15	—	13, 16, 19, 25, 251, 1734
	17.15–17.30	—	16, 19, 25
	18.00–18.30	11, 13, 16, 19	13, 16, 19, 25, 31, 1734
	19.00–19.30	—	25, 31, 251, 1734
	20.00–20.30	—	25, 31
	21.00–21.30	11, 13, 16, 19	16, 19, 25, 31, 41, 1734
	21.30–22.00	—	16, 19, 25, 31, 41, 1734
	22.00–22.30	—	16, 25, 31, 41, 251, 1734
	23.00–23.30	—	16, 25
SERBO-CROAT	01.45–02.00	16, 19, 25	—
	05.00–05.15	—	19, 25, 31
	06.00–06.15	—	16, 19, 25, 31
	19.00–19.30	11, 13, 16, 19	16, 19, 25, 379
	21.00–21.15	13, 16	19, 25, 41, 251
SLOVENE	17.00–17.15	11, 13, 16	16, 19
	20.15–20.30	—	41, 1734
	21.15–21.30	—	16, 19, 25, 41, 251
TURKISH	16.30–17.00	11, 13, 16	16, 19, 31, 41, 238
	17.30–18.00	—	16, 31
UKRAINIAN	03.00–03.30	—	16, 19, 25, 31
	17.30–18.00	11, 13, 16, 19	16, 19, 25, 31
	18.30–19.00	—	25, 31
	19.30–20.00	13, 16, 19	19, 25, 31
	20.30–21.00	—	25, 31
	21.30–22.00	—	16, 25, 31
UZBEK	14.45–15.00	—	13, 16, 19
	23.30–23.45	—	16, 25

To India and Pakistan

Language	Time	U.S. m.b.	Relay Bases
BENGALI	13.30–14.00	11, 13, 16	11, 13, 25, 41
ENGLISH	14.30–15.00	11, 13, 16	11, 13, 16, 25, 41
	16.30–17.00	—	25, 41
GUJARATI	14.00–14.30 (Sat. only)	11, 13, 16	11, 13, 25, 41
	16.00–16.30 (Sat. only)	—	25, 41
HINDI	15.00–15.30	11, 13, 16	11, 13, 25, 41
	17.00–17.30	—	25, 41
MALAYALAM	14.00–14.30 (Thurs only)	11, 13, 16	11, 13, 25, 41
	16.00–16.30 (Thurs only)	—	25, 41
TAMIL	14.00–14.30 (Sun, Mon, Wed, Fri.)	11, 13, 16	11, 13, 25, 41
	16.00–16.30 (Sun., Mon., Wed., Fri.)	—	25, 41
TELUGU	14.00–14.30 (Tues. only)	11, 13, 16	11, 13, 25, 41
	16.00–16.30 (Tues. only)	—	25, 41
URDU	15.30–16.00	11, 13, 16	11, 13, 25, 41
	17.30–18.00	—	25, 41
KOREAN	13.00–13.30	19, 25, 31, 49	19, 25, 41, 254
	22.30–23.00	13, 16	19, 25
MANDARIN	00.30–01.00	—	19
	12.00–12.30	19, 25, 31, 49	19, 25, 31, 41, 254, 263, 326
	13.00–13.30	—	19, 25, 31, 326
	14.00–14.30	—	19, 25, 31, 41, 254, 326

To India and Pakistan

Language	Time	U.S. m.b.	Relay Bases
	15.00–15.30	19, 25, 31	19, 25, 31, 41, 254, 263, 326
	16.00–16.30	—	16, 19, 25, 31, 41, 254, 263
	22.00–22.30	13, 16	19, 25, 31
MUSIC USA	10.00–12.00	31	—
	14.00–16.00	—	19, 25, 31
	16.00–18.00	—	19
RUSSIAN	00.30 01.00	13, 16	16, 19
	09.00–09.30	19, 25, 31, 49	16, 19, 25
	10.00–10.30	—	19, 25
	11.00–11.30	—	19, 25, 41, 254
	12.30–13.00	—	19, 25, 31, 41, 254
	15.30–16.00	16, 19, 25, 31	19, 25, 31, 41, 254

To Africa

Language	Time	U.S. m.b.	Relay Bases
ENGLISH	21.00–21.15	13, 16	13, 16, 19
HINDI	18.30–19.00	—	16, 19
MUSIC USA	19.00–21.00	—	16, 19
ENGLISH	21.00–21.15	13, 16	—
MUSIC USA	19.00–21.00	13, 16	—

To Far East

Language	Time	U.S. m.b.	Relay Bases
AMOY	10.00–10.30	19, 25, 31, 49	19, 25
	11.00–11.30	—	16, 19, 25, 326
	11.30–12.00	—	19
	12.30–13.00	—	19, 25
	13.00–13.30	—	19, 263
	13.30–14.00	—	326
BURMESE	10.30–11.00	19, 25, 31, 49	16, 19, 25
	12.00–12.30	—	16, 19, 25
	14.30–15.00	19, 25, 31	19, 25, 263
CANTONESE	00.00–00.30	—	19
	11.30–12.00	19, 25, 31, 49	16, 19, 25, 263, 326
	12.30–13.00	—	19, 25, 326
	13.30–14.00	—	19, 25
	14.30–15.00	—	19, 25, 326
	23.00–23.30	13, 16	19, 25, 49
ENGLISH	13.30–14.00	19, 25, 31, 49	19, 25, 31, 41, 254, 263
	14.30–15.00	—	19, 25, 31, 41, 254
	15.30–16.00	—	25, 326
	23.30–00.00	13, 16	19, 25, 49
INDONESIAN	11.00–11.30	19, 25, 31, 49	19, 25
	13.00–13.30	—	19, 25
JAPANESE	01.00–01.30	13, 16	
	09.30–10.00	—	19
	10.30–11.00	—	41
	21.30–22.00	13, 16	—
	22.30–23.00	13, 16	—
THAI	14.00–14.30	19, 25, 31	19, 263
	15.00–15.30	—	19, 25
UKRAINIAN	09.30–10.00	19, 25, 31, 49	16, 19, 25
	10.30–11.00	—	19, 25
	11.30–12.00	—	19, 25, 41, 254
VIETNAMESE	00.00–00.30	13, 16	16, 19, 25
	12.30–13.00	19, 25, 31, 49	16, 19, 25, 263
	14.00–14.30	—	19, 25
	15.30–16.00	—	16, 263

ARMED FORCES RADIO and TELEVISION SERVICE

ADDR.: Office of Armed Forces Information and Education, Washington 25, D.C.

This office exercises overall policy control of the Armed Forces Radio and Television Service. The mission of AFRTS is to keep U.S. sce. men and women stationed outside the States the best informed service personnel in the world on current events. All broadcasts are in English. News, sports and other timely matter is beamed overseas directly by twelve powerful tr. on the U.S. Atlantic and Pacific coasts. These s.w. broadcasts serve the overseas radio stations, which rel. them locally, Prgrs. other than news and locally produced Prgrs. are derived directly from the U.S. Commercial Networks. N. is compiled directly from the wires of A.P., N.P. and JNS. AFRS presents regular s.w. prgrs. from both Los Angeles and New York City, using the transmitters of the V.O.A.

EUROPEAN SERVICES (from New York).
ADDR.: Armed Forces Press, Radio and Television Service, 250 West 57th Str., New York 19, N.Y. – L.P.: Capt. H. A. Lincoln, U.S. Navy, Officer in Charge A. F. Press, Radio, T.V., Sce.: Lt. Colonel Graf A. Boepple, Officer in Charge, A.F.R.S.
D. PRGR.: 50 kW – Period: All year.

Call	kc/s	m	Target area	h. of tr.
WBOU2	15270	19.60	Europe	17.30–22.45
WRUL2	15350	19.50	Greenland	17.30–22.45
WRUL3	17710	16.94	Caribbean	17.30–22.45
WBOU5	17780	16.87	Europe	17.30–22.45
WBOU3	21650	13.91	Europe	17.30–22.45

N.: D.: 19.00, 20.00. Mo.-Fri.: 18.30, Sun. 17.45. – Club 57: D. 20.30.
ANN.: "This is the United States Armed Forces Radio Service in New York. The Voice of Information and Education". – V. by QSL-card. – PUB.: Weekly publication to A.F.T.V.-stations "Teletips". Prgr. sched. on request by letter.
PACIFIC SERVICE (from Los Angeles)
ADDR.: U.S. Armed Forces Radio & Television Service, 1016 North McCadden Place, Hollywood 38, California. – L.P.: Officer in Charge: Lt. Colonel James H. Rose, U.S. Air Force. Chief Shortwave Branch: John J. Brown Jr., Executive Officer: CDR. J. R. McKenzie. Dir. Prgr.: R. J. de la Torre. Tec. Logistics Division: Maj. F. D. May U.S. Air Force. Dir. Tec.: F. Fulwood.
DAILY PRGR.: 01.00–15.00.

Call	kc/s	m	kW	Beam	h. of tr.
KCBR-4	9570	31.35	100	Alaska-Aleutians	07.00–12.00
KCBR-2	9700	30.93	50	Japan-Korea	07.30–15.00
KCBR-3	11870	25.27	50	Japan-Korea	07.30–15.00
KCBR-5	15315	19.59	100	Alaska-Aleutians	01.00–06.30
				Caribbean	12.15–15.00
KCBR-4	17760	16.89	100	Philippines-Marianas	06.30–07.30
KCBR-3	17850	16.81	50	Japan-Korea	01.00–07.00
KCBR-2	21610	13.88	50	Japan-Korea	01.00–07.00
KCBR-1	21740	13.80	200	Philippines-Marianas	01.30–06.30

Additional: Sat. only through 28/12 57 KCBR5 17880 kc 16.78 m 100 kW: 22.00–00.45.
N.: Hourly from 01.00–14.00, exc. when altered for special programming. – Dictation N.: Mo.-Fri.: 09.15–10.00.
CONFERENCE PERIOD: D. 01.05, 08.05, contains important information on frequency changes, new programming and special events.
ANN.: At the end of each prgr.: "This is the United States Armed Forces Radio and Television Service, the Voice of Information and Education". – Hourly: "This is AFRTS, Los Angeles, The United States Armed Forces Radio and T.V. Sce., broadcasting on VOA transmitters KCBR at Delano, Cal." – V. by QSL-card. – PRGR. SCHEDULE available on request, exc. within the continental limits of U.S.

WORLD WIDE BROADCASTING SYSTEM

ADDR.: One East 57th Street, New York 22, N.Y. – Cable: "Shortwave". – L.P.: Pres. and Dir. Gen.: Walter S. Lemmon.
FOREIGN SERVICE
STATIONS: WRUL – 1 (50 kW), – 2 (50 kW), – 3 (50 kW), – 4 (20 kW) – 5 (80 kW).

kc/s	m	kc/s	m	kc/s	m	kc/s	m
9530	31.48	11780	25.47	15390	19.49	21460	13.98
9585	31.30	15200	19.74	15415	19.46	21500	13.95
9675	31.01	15220	19.71	17710	16.94		
11710	25.62	15230	19.70	17750	16.90		

EUROPEAN SCE: In English, Swedish, Norwegian: Mo.–Fri. 20.00–21.35, Sun. 20.00–22.00 in 31, 25 ,19, 16, or 13 m.b. Summer one h. earlier.
Music: 20.00–20.30. – N.: in English: Mo. 20.30–20.45, 21.15–21.20. Scandinavian Mbg. and Swedish Dx'ers Prgr.: Mo.: 20.45–21.15. Norwegian: Tues., Thurs.: 21.00–21.15. – Swedish: Wed., Fri.: 21.00–21.15. – American Bourse: 21.20–21.35. Sunday Religions Features: 20.00 –22.00 – Only 3 of the frequencies are used at any one time. Choice depends upon reception conditions.
LATIN AMERICAN SERVICE: D. 22.25–02.00 in 31, 25, 19, 16 or 13 m.b.
English: 23.00–00.15. – Portuguese: 22.25–23.00. – Spanish: 00.15–02.00. Use 2 tr. for P. Sce., 4 for E. Sce., 5 for Sp. Sce.
ANN.: "This is the World Wide Broadcasting System, Radio Boston, international radio station WRUL speaking for freedom from its studios in New York City, U.S.A." – INT.-SIG.: New World Symphony (by Dvorak). – V. by QSL-card and letter. F.PL.: Power of WRUL5 being increased to 100 kW. – PUB.: Write for prgr.-sched.

PRIVATE STATIONS

PRIVATE STATIONS: 1 August 1957, 3095 AM, 667 FM, 548 TV stations in actual operation.

EDUCATIONAL STATIONS (non comm.)
ADDR.: Office of Education, Washington 25. D. C. – L.P.: Chief Radio-Television: Dr. Franklin Dunham.
870 kc 50 kW WWL N.Orleans L. – 1030 kc 50 kW KWBU Corp. Chr., Te.
In operation 30 AM st., 140 FM st., 27 hight power TV st., 250 closed TV circuits.
NATIONAL ASSOCIATION OF EDUCATIONAL BROADCASTERS: (NAEB.)
The national independant professional association, which since 1925 has represented the interests and needs of educational television and radio broadcasters, represents appr. 73% of the educational stations and production centers of the United States (appr. 90% exc. those identified as theological or religious st.).
Add.: Executive Office: 14 Gregory Hall, Urbana, Illinois.
L.P.: Pres.: Dr. B. Paulu. Vice Pres.: R. Hull. Exec. Dir.: Dr. Harry J. Skornia, Associate Dir.: E. H. Hill.
Stations: 129 educational institutions and organizations owning and operating a total of 136 educational radio and 26 educational T.V. stations: AM-stations: 23; FM-stations: 113; TV-stations 26.
Activities and Functions: The NAEB is the Association of American institutions operating educational, cultural and public sce. radio and T.V. st. and production centers. Its services include workshops, seminars, regional and national annual conferences, personnel-upgrading programs, engineering, legal, research and other operational consultant services, an employment agency, and numerous publications in radio and T.V., incl. a monthly Newsletter. It maintains an active production prgr. and has an exchange-advisory membership relationship with most national educational organizations. The NAEB also operates a radio network which duplicates via tape and distributes to member stations several hours of programming per week. At present there are some 70 stations in this network.
It also actively cooperates with various international organizations (European Broadcasting Union, Prix Italia, International University of the Air, UNESCO, etc.), and the national systems of various other countries (R. T. F., BBC, RAI and others), exchanging prgrs, publications and personnel with the broadcasting organizations of over 20 nations in Europe, Asia, Australia and Africa, as well as those in N. C. and So. America.
MUNICIPAL BROADCASTING SYSTEM (The city of New York).
ADDR.: Municipal Bldg., New York 7, N.Y. – L.P.: Dir. Gen.: Mayor R. F. Wagner. Dir. R. Communications, City of N.Y.: S. N. Siegel. Exec. Officer: J. de Prospo. Dir. Prgr.: B. Buck. Dir. Music.: H Neuman. Dir. Publicity: Mary E. McDonell.
STATIONS: WNYC 830 kc/s 1 kW: 11.00–03.00. FM. – WNYC TV. Film Unit: Film Production agency which produces public Service and educational spots and films. –
COMMERCIAL STATIONS: In operation 3059 AM st., 531 FM st. (does not include 136 non. comm. st.).
Stations operating with a power of 50 kW.
The time each station is authorized to operate is indicated in the list. Each station is required to operate at least two-thirds of the hours it is authorized to operate between 6:00 AM and 6:00 PM, and two thirds of the hours it is authorized to operate between 6:00 PM and midnight. If authorized to operate unlimited time, it may operate for the entire 24 hours.

Call Letters		City	State	Operating Time
KCBS	740	S. Francisco	Cal.	24 h. d. exc. Mo.
KDAY	1580	S. Monica	Cal.	D. Sunrise to local sunset
KDKA	1020	Pittsburgh	Pa.	24 h. exc. Mo. 16.45–09.30
KENS	680	S. Antonio	Tex.	(N. 10. kW.) 10.00–05.00
KFAB	1110	Omaha	Neb.	24 h. 12.00–05.00
KFBK		Sacramento	Cal.	24. h exc. 08.00–12.00 Mo.
KFI	640	Los Angeles	Cal.	24 h. d.
KFRE	940	Fresno	Cal.	12.30–07.00
KGA	1510	Spokane	Wash.	12.30(Sun. 14.00) –08.00 Mo.-Fri.
KGBT	1530	Harlingen	Tex.	(N. 10 kW) 18. h. d.
KGO	810	S. Francisco	Cal.	12.30 to 7.45
KING	1090	Seattle	Wash.	24. hrs. exc. Sun.
KIRO	710	Seattle	Wash.	13.00–07.00
KMOX	1120	St. Louis	Mo.	24 hrs. exc. Mo.-6.05–11.30
KMPC	710	Los Angeles	Cal.	(N. 10 kW) full time
KNBC	680	San Francisco	Cal.	24. h. d. exc. Tues. & Wed 13.00–07.00
KNXO	1070	Los Angeles	Cal.	24 h. d.
KCMO	810	Kansas City	Miss.	
KOA	859	Denver	Colo.	24 h. d.
KOB	770	Albuquerque	N. M.	(N. 25 kW) 10.30–05.00
KOMA	1520	Oklahoma City	Okla.	W. 10.00–07.00 Sun. 12.00–05.00
KOMO	1000	Seattle	Wash.	12.45–07.15
KRLD	1080	Dallas	Tex.	24 h. d.
KRMG	740	Tulsa	Okla.	(N. 25 kW) 10.30–05.00
KSL	1460	Salt Lake City	Utah.	24 h. 10.00 to 06.00 Thurs.

KTHS	1090	Little Rock	Ark.	24 h. d.
KTRH	740	Houston	Tex.	full time
KVOO	1170	Tulsa	Okla.	unlimited time
KATR	1030	Corpus Christi	Tex.	D. Sunrise to local sunset
KWKH	1130	Shreveport	La.	10.00–05.00
KXEL	1540	Waterloo	Ia.	W. 08.00–05.00, Sun. 12.00 –05.30
KYW	1100	Cleveland	Ohio	24 h. d. exc. Sun. 10.00 04.00
WABC	770	New York	N.Y.	24 h. d. exc. Sun. 04.00–11.45
WBAL	1090	Baltimore	Md.	continuous exc. Sun. 08.00–12.00.Mo. 16.05–09.00.
WBAM	740	Montgomery	Ala.	Sunrise-sunset
WBAP	820/570	Forth Worth*	Tex.	(820 kc 50 kW) (570 kc. 5 kW)
WBBM	780	Chicago	Ill.	24 h. d. exc. 17.05–10.30 Mo.
WBT	1110	Charlotte	N.C.	09.30–16.30, Sun. 12.00–04.05.
WBZ	1030	Boston	Mass.	24 h. d. exc. Mo. 04.30–09.30
WCAU	1210	Philadelphia	Pa.	24 h. d. exc. Mo. off. 05.05–09.00
WCBC	880	New York	N.Y.	24 h. d. exc. Mo. 05.05–09.30
WCCO	830	Minneapolis	Minn.	W. 10.30–06.05, Sun. 24 h.
WCFL	1000	Chicago	Ill.	24 h. exc. Mo. 10.00–05.00
WCKY	1530	Cincinnati	Ohio	24 h. d.
WDGY	1130	Minneapolis	Minn.	(N. 25 kW) W. 11.00–06.00. Sun. 12.00–05.00
WDIA	1070	Memphis	Tenn.	(N. 5 kW) 09.00–05.00
WEAS	1010	Decatur	Ga.	Sign on to sunset.
WFAA	820	Dallas	Tex.	
WGAR	1220	Cleveland	Ohio	Sun. 11.55–04.00. W. 09.30–05.00
WGSB	710	Miami	Fla.	(N. 10 kW) W. 09.30–05.00. Sun. 11.30–05.00
WGN	720	Chicago	Ill.	W. 10.30–06.00. Sun. 12.00–06.00
WGY	810	Schenectady	N.Y.	24 h. d.
WHAM	1180	Rochester	N.Y.	W. 09.30–06.00, Sun. 12.00–04.05
WHAS	840	Louisville	Ky.	W. 10.00–05.00, Sun. 11.00–05.00
WHDH	850	Boston	Mass.	24 h.
WHO	1040	Des Moines	Ia.	W. 24 h. exc. 05.00–12.30 Sun.
WIBC	1070	Indianapolis	Ind.	(N. 10 kW) Sun. 16.25–05.15. W. 10.00–05.15
WINS	1010	New York	N.Y.	24 h.
WINZ	940	Hollywood	Fla.	(N. 10 kW) 24 h.
WIJD	1160	Chicago	Ill.	09.00 to sign-off-limited time
WJR	760	Detroit	Mich.	24 h.
WKBW	1520	Buffalo	N.Y.	24 h.
WLAC	1510	Nashville	Tenn.	24 h.
WLS	890	Chicago	Ill.	W. 10.00–05.00; Sun. 11.30 –05.00
WLW	700	Cincinnati	Ohio	not less than 22 hrs.
WMAQ	670	Chicago	Ill.	Sun. 12.00–07.00, Mo. 10.30 –06.00. Tues.-Sat. 10.30–07.30
WMGM	1050	New York	N.Y.	05.00–08.00
WNAC	680	Boston-Lawre.	Mass.	approx. 19 h.
WNEW	1130	New York	N.Y.	24 h.
WNOE	1060	New Orleans	La.	(N. 5 kW) 24 h.
WOAI	1200	San Antonio	Tex.	W. 10.45–05.00, Sun. 11.00–05.00
WOR	710	New York	N.Y.	full time
WOWO	1190	Fort Wayne	Ind.	W. 09.30–06.00. Sun. 12.00–05.00
WPTF	680	Raleigh	N.C.	W. 09.00–04.00. Sun. 11.00–04.00
WPTR	1540	Albany	N.Y.	24 h.
WQXR	1560	New York	N.Y.	W. 10.00–05.00, Sun. 12.00–05.00
WRCA	660	New York	N.Y.	24 h. exc. Mo. 05.00–09.50
WRCV	1060	Philadelphia	Pa.	W. 09.30–05.00, Sun. 12.00–06.00
WRWA	1140	Richmond	Va.	W. 24 h. Sun. until 05.15
WSB	750	Atlanta	Ga.	W. 09.15–05.00. Sun. through Fri. 16.00–04.00
WTIC	1080	Hartford	Conn.	W. 09.30–05.00. Sun. 16.50–04.00
WTOP	1500	Washington	D.C.	24. h. exc. Mo. 04.00–09.30
WVOK	690	Birmingham	Ala.	Sunrise to local sunset.
WWL	870	New Orleans	La.	10.00–06.00
WWVA	1170	Wheeling	W. Va.	24 h. exc. Mo. 05.00–09.00

D = Daytime stations – N = Nighttime operating power
* Alternating time sched. on freq. 820 kc (50 kW) – 570 kc (5 kW).

AMERICAN BROADCASTING CO. (A Division of American Broadc. – Paramount Theatres, Inc.) – **Addr.:** 7 West 66th Str., New York J3. – **L.P.:** Pres. H. Goldenson. Vice Pres. Dir. Press. Inf. and Adv.: 2. Foster. Treasurer: S. R. Siegel. Vice Pres., Dir. TV Network: O. Treyz. – **American Broadcasting Radio Network** (A subsidiary of American Broadc.-Paramount Theatres, Inc.).– **L.P.:** Pres.: R. E. Eastman.
Owned and operated stations: WABC + FM, New York: 770 kc/s 50 kW. – KABC Los Angeles + FM 790 kc/s 5 kW. – KGOS + FM Francisco 810 kc 50 kW. – WXYZ + FM Detroit 1270 kc 5 kW.

NATIONAL BROADCASTING COMPANY: Addr.: Radio City. New York 20, N.Y. – **L.P.:** Pres. David Sarnoff. Treasurer: E. H. Rettig. Sec.: J. Q. Cannon. Vice Pres., Press. Publicity: S. H. Eiges. – **Stations:** The N.B.C. network includes 193 AM-FM st., 194 TV st. Owned and operated stations: **WRCA**, New York – **WRC**, Washington DC – **WRCV**, Philadelphia – **WMAQ**, Chicago – **KNBC**, 420 Taylor Str., S. Francisco 2., **L.P.:** Dir. Gen.: G. W. Fuerst. Dir. Tec.: J. W. Baker. V. by QSL-card or letter.

COLUMBIA BROADCASTING SYSTEM: Addr.: 485, Madison Square, New York 22. – **L.P.:** Chairman of the Board of Directors: William S. Paley. Pres.: Frank Stanton, Secr.: J. F. Brauner.
Stations owned and operated: **WCBS**, New York 880 kc/s 50 kW – **WBBM**, Chicago – 780 kc/s 50 kW. – **KCBS**, S. Francisco, 730 kc/s 50 kW – **WEEI** ,Boston 590 kc/s 5 kW – **KMOK**, St. Louis 1120 kc/s 50 kW. – **KNX** 1070 kc/s 50 kW, 6121 Sunset Blv., Hollywood 28, Cal. **L.P.:** Gen. Mgt.: W. D. Shaw. Dir. Tec.: F. Denten. V. by QSL-card or letter.

MUTUAL BROADCASTING SYSTEM: Addr.: 1440 Broadway, New York 18, N.Y. – **L.P.:** Pres.: P. Roberts. Treasurer: R. Roberts. Secr.: F. P. Barton. Dir. Press. Inf.: H. Gold.

KEYSTONE BROADCASTING SYSTEM: Addr.: 111 W, Washington Str., Chicago 2. 527 Madison Ave., New York 22. – **L.P.:** Pres.: S. J. Wolf. Exeg. Vice Pres.: N. A. Rhys. Secr., Treasurer: Dir. A. Wolf. –
Stations: The Keystone Broadc. System is a transcription network covering principally hometown and rural America. It has close to 1000 affiliated A.M. radio stations.

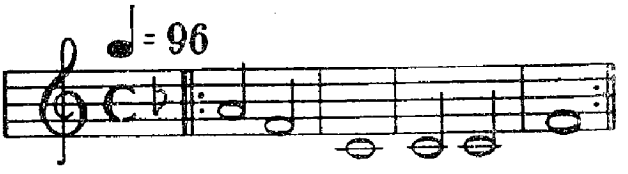
WESTINGHOUSE BROADC. COMP. Inc.: Addr.: 122 East 42 Str., New York. – **L.P.:** Pres.: D. H. Cammon. Dir. Tec. R. H. Harmon. – Owned and operated stations: **WBZ/WBZA** + FM Boston – **KDKA** + FM Pittsburgh – **KYW** + FM, Cleveland – **WIND**, Chicago – **KEX** + FM, Portland – **WOWO**: 124 W. Washington Blvd., Fort Wayne. **L.P.:** Dir. Gen.: Don McGammon. Dir. Tec.: H. Brokaw. V. by QSL-card.

★ SAINT PIERRE ET MIQUELON ★

L.T.: GMT + 4 h. – **L.:** French.
RADIO ST. PIERRE (Go.) HOME SCE in French:
560 kc/s 0.25 kW: 23.00–24.00. – V. by letter. Return postage required.

★ UNITED NATIONS ★

ADDR.: United Nations, New York. **Cable:** Unations, New York. **L.P.:** Under-Secretary for Public Information: Ahmed S. Bokhari. Deputy Under-Secretary for Public Information: Alfred G. Katzin. Dir., Radio and Visual Services Division: Peter Aylen. Deputy Dir., R. and Visual Sces. Div.: F. Passigli Chief Radio Sce.: G. L. Obhrai. Chief of Production: H. R. Van Stuwe. Chief of TV-Radio Operations: M. Hayward. Chief of T.V. Sce.: William S. Henson.
INTERVAL-SIGNAL:



ANN.: "This is the United Nations calling the Peoples of the World." This introductory phrase is used in all the official UN programmes in all of the languages concerned.
MESSAGE TO LISTENERS: The Radio Division is anxious to establish contact with as many listeners as possible and will gladly acknowledge all communications. All correspondents will receive a United Nations Radio Verification Card, new correspondents being sent a programme schedule and some general information about the United Nations and the Specialized Agencies. – Correspondence, requests for copies of the schedule of UN broadcasts should be ad-

AMERICA

1. VENEZUELA
The popular ballerina
Jolanda Moreno
in the television studio of
Radio Caracas.

2. HAITI
The national operator and French
and Creole radio pastor
Jacques Mompremier
at the studio microphone of
Radio Station 4VEH.

3. BRAZIL
One of the most popular singers
in Pernambuco, Jackson do Pandeiro.
He is heard daily in the broadcasts
from Radio Jornal do Commercio
and is the best sold recordstar
in Rio de Janeiro.

4. COLOMBIA
A typical artist in the studio of
Nueva Granada.

5. VOICE OF AMERICA
View of Tape dubbing facilities
at studios of the VOA
in Washington D.C.
This equipment permits rapid
reproduction on a mass basis
of recordings, which may be played
back at regular speed.

6. GREENLAND
Greenlandic children on their first
schoolday in Godthaab.

Venezuela Jolanda Moreno Radio Caracas Haiti Jacques Mompremier 4VEH Brasil Pernambuco Jackson do PandeiroRadio Jornal do Comercio Rio de Janeiro Colombia Radio Nueva Granada VoA USA Greenland Godthaab

dressed to the Director of the nearest UN Information Centre. These centres are located in Athens, Bangkok, Belgrade, Bogota, Buenos Aires, Cairo, Copenhagen, Djakarta, Geneva, Karachi, London. Manila, Mexico City, Monrovia, Moscow, New Delhi, Paris, Prague, Rio de Janeiro, Santiago, Shanghai, Sydney, Teheran, Washington, D.C. Requests for copies of the schedule of UN broadcasts which can be heard in the United States should be addressed to: Radio and Visual Services Division, United Nations, New York.
UNITED NATIONS (Winterschedule).
N.& W. Europe: Mo.-Fri. 17.00–17.30 WBOU 21540 kc/s: N. in Finnish, Danish, Dutch (Belgium), Fr. (Belgium), Fr. (U.N. Magazine).
W., So. Eu.: Mo.-Fri.: 17.00–18.30. WDSI 21960 kc/s: N. in Turkish, Greek, Serbo-Croat, I., G. (Austria), P., Dutch, Da., Hung. –
No. Africa & M. East.: Mo.-Fri. 18.30–19.00. WDSI 21690 kc/s, Tangier 17835 kc/s. N. in Arabic.
So. America, Caribbean: M.-Fri. 23.00–24.00. WBOU 11870, WDSI 17830, WLWO 17880, WLWO 11970 kc/s, N. in Spanish.
So. Eu. & M. East: Tues.-Sat. 03.30–04.00. WLWO 11850, 15250, Tangier 11785, 15340 kc/s. N. in Hebrew, I., Duri, Amharic.
So. W. Pacific: Tues.-Sat. 07.45–08.00. KNBH 15250, 11740 kc/s. N. in E. Japan: Tues.-Sat. 08.00–08.15 KNBH 11900, 9515 kc/s.
So. Ea. Asia: Tues.-Sat. 08.40–08.45 KNBH 11900 kc/s. N. in Tagalog.
So. Ea. Asia: Tues.-Sat. 10.00–10.15. Manila 15210 kc/s. N. in English, Ind., Thai. This prgr. is transm. to Manila 08.45–09.00 on KNBH 11900, 9515 kc/s.
Far East: Tues.-Sat. 10.30–11.00. Manila 15210, 11960 kc/s. N., Prgr. in Chinese (10.55–11.00 N. in Tag.). This prgr. is transm. to Manila 08.15–08.45 on KNBH 11900, 9515 kc/s.
Ceylon: Tues.-Sat. 13.15–13.30. Tangier 21455, 25880 kc/s. N. in Sinhalese and English. This prgr. is transm. to Tangier on WBOU 21730, WDSI 17830 kc/s.
Eastern Europe from United Nations Information Centre, Geneva, Switzerland: Mo.-Fri. 15.45–16.10. HEU2 9520 kc/s. Prgr. in Russian.
Broadcast of Meetings of the General Assembly and the Security Council when in session: Europe, N. Africa, M. East: A.M. meetings 14.30–17.00. WDSI 21690 kc/s. **P.M. meetings:** 19.15–23.00. WBOU 15440 kc/s 20.15–23.00. Tangier 11790 kc/s.
East, C. & W. So. America: A.M. meetings: 14.30–17.00 on WBOU 17780 kc/s. **P.M. meetings:** 19.15–23.00 WDSI 15285 kc/s.
See corrections last page.

CENTRAL AMERICA

★ BAHAMAS ★

L.T.: GMT ÷ 5 h. – L.: English.–Rcvrs.: 4.500.
BAHAMAS BROADCASTING SERVICE (Public Commission
ADDR.: Station ZNS, P. O. Box 48, Nassau.
HOME SERVICE in E.: ZNS 1540 kc/s 195 m 5 kW 11.30–04.00. V. by QSL-card.

★ BARBADOS ★

L.T.: GMT ÷ 4 h. – L.: English.–Rcvrs.: 10.000.
BARBADOS REDIFFUSION SERVICE LTD. (Wired Broadc., Priv. Comm.).
ADDR.: Trafalgar St., Bridgetown, M. 5. **L.P.:** Gen. Mgr.: R. W. R. Oliver. Secr.: K.S.B. Davis. Engineer-incharge: H. Temple.
D. PRGR.: 10.00–03.00. Wired broadc. sce. with island – wide coverage

★ BERMUDA ★

L.T.: GMT ÷ 4 h. – L.: English, Portuguese. – Rcvrs.: 16.500.
BERMUDA BROADCASTING CO. LTD. (Comm.)
ADDR.: Pitts Bay Road, Hamilton. – Cable: ZBM Bermuda. – **L.P.:** Gen. Mgr.: W. Stakow. – **D. Prgr.:** J. Dodge. Dir. Tec.: J. H. Spersmott. Dir. of Press.: J. Robinson.
HOME SCE.:
ZBM1: 1235 kc/s 242.9 m 0.25 kW: W. 10.00–04.00. Sun. 12.30–03.00.
ZBM2: 1340 – 223.3 – 0.25 – : W. 11.45–23.20. Sun. 13.00–03.00.
N.: W.: 10.55, 11.45, 13.00, 16.45, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 01.00 (exc. Sat.), 02.05 (exc. Sat.), 03.30. Sun.: 14.45, 16.30, 23.00, 02.30. – **Portuguese:** W. 10.15–10.30. Sat. 00.30–01.00.
ANN.: E.: "These are the stations of the Bermuda Broadcasting Comm. This is ZBMI (or ZBM2)" – V. by letter or QSL-card. R. p. appreciated, but not demanded. – **PUB.:** Prgr. sched. free on request for overseas listeners.

★ COSTA RICA ★

L.T.: GMT ÷ 6 h. – L.: Spanish. – Rcvrs.: 30.000.
DEPARTEMENTO CONTROL NACIONAL DE RADIO, Apartado 3483, San José. All st. comm. exc. TIFC & TIAC (Rel., Cultural), TIRU (Cultural).

STATIONS: Short Waves:

Call	kc/s	m	kW	Call	kc/s	m	kW
1) TIQ	5990	50.08	1	5) TIRH	6150	48.78	0.25
2) TIHBG	6006	49.95	1	6) TIDCR	9615	31.20	3 4
3) TIFC4	6037	49.69	0.5	3) TIFC	9645	31.10	2
4) TIGG	6075	49.38	0.5	7) TINRH	9692	30.96	1

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
1) TIQ	555	1	17) TIGPH2	800	5	4) TIGG	1060	1
8) TIJJM	575	1.5	18) TIRU	815	1	27) TITR	1125	1
9) TIWA	590	5	19) TISS	830	3	28) TILX	1150	1
10) TIAV	605	6.5	20) TICS	855	5	1) TIQ	1175	1
6) TIDCR	625	6	21) TILS	880	3	29) TIBSD	1195	1
11) TIBAS	650	8	22) TILC	900	1	30) TIALC	1210	2
12) TIJC	670	5	23) TIRS	920	5	31) TIRE	1235	1
2) TIHB	690	3	24) TIOS	940	1	32) TISBJ	1275	2
13) TINRH	710	1	25) TIAC	955	2	33) TIMAR	1350	1
14) TIRA	735	1	5) TIRH	970	1	34) TICJ	1475	1
15) TIW	750	3	3) TIFC	995	10	35) TIZZ	1490	1
16) TIEPJ	775	1	26) TIEM	1040	1			

1) **R. Casino**, Puerto Limón. – **L.P.:** Dir. L. Grau V.
2) **R. Crystal**, Apt. 341, San José. – **L.P.:** Dir. R. Barahona C. – **D.Prgr.:** 12.45–05.00. – **ANN.:** "Emisoras de Radio Crystal en San José". – **V.** by letter.
3) **Faro del Caribe**, Apt. 2710, San José. – **L.P.:** Mgr. F. Cabezas. Dir. Prgr.: W. Herzog. Dir. Tec.: D. Solt. – **D. Prgr.:** On 995 kc/s: 12.00–04.00 **Spanish**, 04.00–05.00 **English.** On 6037/9645 kc/s: 12.00–04.00 **Spanish** 04.00 (Sun. & Mo. 03.00)–05.00 **English.** – **N. in Spanish:** Mo.–Fri. 00.15–00.30 (UN). – **Mbg.:** "Faro del Caribe Informa": Thurs. 01.00–01.30. **German:** Sun. 12.30–12.45 & Mo. 05.00–05.15 on all freq's. – **ANN.: E.:** "This is TIFC, the Lighthouse of the Caribbean in San José, Costa Rica". – **Sp.:** "TIFC, Faro del Caribe, en San José, Costa Rica". – **V.** by QSL-card. R.p. appreciated. – **PUB.:** Prgr. sched. free on request.
4) **R. Excelsior**, Apt. 1774, San José. – **L.P.:** Dir. G. Grillo. – **D. Prgr.:** 12.00–05.00. – **ANN.:** "Emisoras de Radio Exelsior en San José, Costa Rica, Centroamérica". – **V.** by QSL-card or letter.
5) **R. El Mundo**, Apt. 1339, San José, – **L.P.:** Dir. R. Hine Cj.
6) **La Voz de la Victor**, Apt. 1339, San José. – **L.P.:** O.: Diario de Costa Rica Ltda. – **D. Prgr.:** 12.00–05.00.
7) **La Voz de Costa Rica**, San José. – **L.P.:** Dir. A. Cespedes M. – **V.** by QSL-card.
8) **Ecos del Poás**, Apt. 122. Alajuela. – **L.P.:** Dir. E. E. Martinez.
9) **Radiopólis**, Apt. 854, San José. – **L.P.:** Dir. Gen.: F. Castor C. Dir. Tec.: J. Castor C. – **D. Prgr.:** 12.00–06.00.
10) **R. Selecta**. Apt. 4666, San José. – **L.P.:** Dir. A. Vargas V.
11) **R. Monumental**, Apt. 800, San José. – **L.P.:** O. Gonzalo Pinto Sucs.
12) **R. Musical**, Apt. 854, San José. – **L.P.:** & **D. Prgr.:** as 9).
13) **R. Columbia**, Apt. 708 ,San José. – **L.P.:** Dir. C. Alfaro Mc.
14) **R. América Latina**, Apt. 2525, San José. – **L.P.:** Dir. J. R. Aguilar
15) **R. City**, Apt. 835, San José. – **L.P.:** Dir. E. Vargas R. Mgr.: A. Murolo.
16) **División Continental**, Apt. 3777, San José. – **L.P.:** Dir. E. Piedra J.
17) **Nueva Alma Tica**, Apt. 800, San José. – **L.P.:** as 11).
18) **R. Universitaria**, Universidad de Costa Rica, San Pedro de Montes de Oca.
19) **La Voz del Trópico**, Apt. 914, San José.
20) **La Voz de América & 21) Radión**, Apt. 517, San José. – **L.P.:** Dir. A. F. Cañas I.
22) **R. Hispana**, Cartago. – **L.P.:** J. F. Lafuente.
23) **R. Athenéa**, Apt. 2208, San José. – **L.P.:** Dir. O. Sotela M. – **D. Prgr.:** 24 h.
24) **R. Titania**, Apt. 512, San José. – **L.P.:** Dir. M. Sotela P.
25) **R. Fides (Emisora Catolica)**, Apt. 1933, San José. – **L.P.:** Dir. A. Troyo C. – **D. Prgr.:** 13.00–04.15 in **Spanish & English.** – **V.** by QSL-card.
26) **R. Sonora**, Apt. 2375, San José. – **L.P.:** E. Martinez.
27) **R. Sport**, Apt. 4140, San José. – **L.P.:** Dir. R. Solis N.
28) **R. Columbia**, Puntarenas. – **L.P.:** as 3).
29) **R. Paramount**, Apt. 4026, San José. – **L.P.:** Dir. E. Carvajal.
30) **R. Universal**, Apt. 2302, San José. – **L.P.:** Dir. A. L. Cruz.
31) **R. Emmaus**, Villa Emmaus, Coronado. – **L.P.:** Dir. C. H. Rod.
32) **R. Libertad**, Apt. 4075, San José. – **L.P.:** Dir. S. Bermudez J.
33) **R. Tropical**, Heredia.
34) **R. Sinai**, San Isidro del General.
35) **La Voz del General**, San Isidro del General. – **L.P.:** Dir. R. Sobrado B.

★ CUBA ★

L.T.: GMT ÷ 5 h. – L.: Spanish. – Rcvrs: 1.100.000
All st. comm. exc. COX4/COX7.

CMQ

LAS CADENAS DE EMISORAS

DE MAYOR PODER DE VENTA

EN CUBA

A través de su SERVICIO INTERNACIONAL DE GRABACIONES DE AUDIO, pone a disposición de las emisoras de habla hispana y de aquellas que deseen trasmitir programas en español VEINTE AÑOS de experiencia radiofónica, brindándoles la oportunidad de adquirir valiosos y variados programas, escritos por autores consagrados e interpretados por un elenco artístico estelar.

- **programas de éxito comprobado**
- **novelas de gran impacto radiofónico**
- **precios mínimos, incluyendo costo de grabación**
- **exclusividad por dos años para cada programa**
- **grabaciones hechas en acetato a 33-1/3 RPM o en cinta magnetofónica a 7 ½ PPS.**

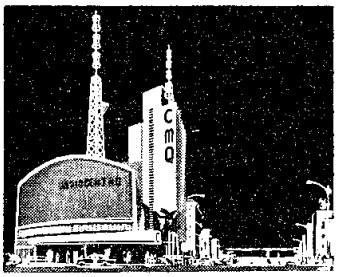
ESPERAMOS POR SU ORDEN

CMQ Radio

Pinar del Río	920 kc.
Habana	630 kc.
Onda Corta	9,670 kc.
Santa Clara	640 kc.
Camagüey	920 kc.
Ciego de Avila	900 kc.
Holguín	740 kc.
Stgo. de Cuba	630 kc.

CMQ-TV

Habana	Canal 6
Matanzas	Canal 9
Santa Clara	Canal 5
Camagüey	Canal 6
Stgo. de Cuba	Canal 2
Holguín	Canal 3



CIRCUITO CMQ, S. A.
Servicio Internacional de Grabaciones de Audio
Radiocentro - La Habana

advertisement CMQ Cuba

STATIONS: Short Waves: C=Circuito. *) inactive

Call	kc/s	m	kW	Call	kc/s	m	kW
1) COX7*	4290	69.70	5	9) COJK	9620	31.19	1
2) COCW*	5045	59.46	1	1) COX4*	9640	31.12	5
3) COCO*	6010	49.92	5	10) COCQ	9670	31.02	5
4) COCD*	6130	48.94	1	11) COKG	9740	30.80	1
5) COCY*	6450	46.51	1	12) COBL	9833	30.51	1
6) COBZ	9026	33.25	1	8) COCY	11740	25.55	1
7) COBQ*	9235	32.49	1	13) COBH*	11800	25.42	1
8) CCBC	9362	32.05	1	6) COBZ*	17820	16.84	1
3) COCO	9535	31.46	5	8) COBC*	17850	16.81	1
7) COBQ*	9540	31.45	1	5) COCY*	21620	13.87	1

MEDIUM WAVES: Habana.
12.00–05.00 (some 06.00)

Call	kc/s	kW	Call	kc/s	kW
5) CMCY	550	15	5) CMHW	810	1
2) CMW	590	2.5	16) CMHD	890	1
10) CMQ	630	50.	14) CM-	940	0.25
14) CMCU	660	5	24) CMHT	990	1
8) CMBC	690	50	11) CMHM	1130	1
15) CMCA	730	10	25) CMHK	1210	1
4) CMCD	760	10	26) CMHO	1310	1
13) CMCH	790	10	27) CMHC	1410	1
6) CMBZ	830	5	+ 11 low power st.		
12) CMBL	860	15			
16) CMCF	910	10			
10) CMBF	950	10			
3) CMCK	980	5			
17) CMBQ	1010	5			
18) CMCX	1060	10			
19) CMCO	1230	0.25			
11) CMCI	1260	5			
20) CMCB	1330	1			
21) CMBX	1390	0.25			
22) CMOX	1490	0.25			
1) CMZ	1560	5			
+ 11 low power st.					

Pinar del Rio (Province):

Call	kc/s	kW
8) CMAF	680	1.0
23) CMAB	740	5
2) CMAN	840	1
10) CMAQ	920	1
14) CMAW	990	0.25
+ 5 low power st.		

Matanzas (Province):

Call	kc/s	kW
5) CMGN	960	0.5
2) CMGF	1240	0.25
11) CMGU	1340	0.25
11) CMGL	1400	0.25
+ 3 low power st.		

Santa Clara (Las Villas, Province):

Call	kc/s	kW
2) CMHI	570	10
10) CMHQ	640	15
8) CMHG	670	1
8) CMHN	680	1
16) CMHB	780	1
9) CMJE	680	1
8) CMJT	700	1
11) CMJY	760	1
19) CMJB	880	1
10) CMJV	900	0.5
10) CMJL	920	10
2) CMJN	960	1
11) CMJG	1000	1
28) CMJR	1030	1
2) CMJM	1080	0.5
9) CMJK	1160	1
29) CMJC	1270	1
(30) CMJF	1340	1
+ 13 low power st.		

Oriente (Province):

Call	kc/s	kW
16) CMKM	560	5
2) CMKV	600	1
10) CMKU	630	2
8) CMKP	670	1
8) CMDB	680	1
10) CMKJ	740	10
31) CMDC	770	12
11) CMKL	800	2
32) CMDQ	840	1
31) CMKC	850	2
2) CMKN	930	1
31) CMDJ	950	0.5
11) CMKD	970	1
32) CMDW	1030	1
33) CMDL	1150	1
16) CMKB	1170	1
31) CMDD	1200	1
+ 25 low power st.		

FM. 12) 92.9 mc/s 0.25 kW. – 12) 100.1 mc/s 0.25 kW. – 14) 101.5 mc/s 0.25 kW.

1) **Ministerio de Education,** Concejo Corporativo, Columbia, Habana.
2) **C. Nacional Cubano,** Calle O. Num. 216, Vedado, Habana. – (Relays: CMAN, Pinar del Rio; CMGF, Matanzas; CMHI, Santa Clara; CMJN, Camagüey; CMJM, Ciego de Avila., CMKV, C. Jardin; CMKN, Stgo. de Cuba).
3) **El Periodico del Aire,** Simón Bolivar 314, Habana. – **D. PRGR.:** 9535 kc/s: 12.00–05.00
4) **La Voz del Aire,** Hotel Palace, 25 y G. Vedado, Apt. Correos 294. Habana. – **Cable:** "Vozaire". – **ANN.:** "La Voz del Aire" a sus gratas ordénes", every 15 minutes. – **INT.-SIG.:** Gong. – **V.** by QSL-card.
5) **R. Siboney,** Escobar 452, Habana. – **L.P.:** Dir. Adm.: R. López Calderon. Dir. Tec.: J. L. Gómez. – **D. Prgr.:** 13.00–08.00. **N.:** 17.00, 22.00, 03.10. – **L.L. (French):** 16.30–16.45. – **Wrp.:** 13.00.
6) **R. Salas,** San Rafael 108, segundo piso, Habana.
7) **R. Onda Musical Cubana.** Vista Alegre 269, Vibora, Habana
8) **R. Progreso,** Avenida Menocal 105, Habana. – **L.P.:** Dir. Gen M. Fernandez. Mgr.: O. Fernandez. Dir. Prgr.: Dr. H. Suárez. Dir. Tec.: C. Estrade. Dir. Inf.: L. R. Canales. Dir. Foreign Relations: G. L. Toca. – **D. PRGR.:** 10.20–06.00. – **N.:** 10.20. – **Nat. Music:** 13.15–16.00, 20.30–01.30, 03.00–05.50. – **Wrp.:** 17.50. – **V.** by letter (Relays: CMAF, Pinar del Rio; CMHG, Santa Clara; CMJE, Camagüey, Ciego de Avila; CMDB, Oriente; CMKP Holguin.).
9) **La Voz del Camagüeyana,** Finlay No. 4, Camagüey. – **L.P.:** O.: J. Castrillon y Cia. – **D. PRGR.:** 13.00–004.30
10) **Circuito CMQ, S. A.,** Radiocentro, Vedado, Habana. – **L.P.:** Pres.: G. Mestre. Dep. Pres.: A. Mestre. Dir. Prgr.: M. Cores. Dir. Tec.: R. L. Guiral. Dir. Foreign Relations: R. M. Rodriguez. Sales Dir.: A. Chabau. Dir. of Staff.: R. Puig.
D. PRGR.: 10.30–05.00. – **N.:** 15.55 (Sun.), 16.54 (W), 17.25 (W), 22.55 (W), 23.23 local n. (W), 01.55 (exc. Mo.), 03.22 (exc. Mo.).
ANN.: "CMQ desde Radiocentro La Habana." – **INT.-SIG.:** "Canto Siboney" played on organ. – **V.** by QSL-card. (Relays: CMAQ, Pinar del Rio; CMHQ, Santa Clara; CMJV, Ciego de Avila; CMJL, Camagüey; CMKU, Stgo de Cuba ;CMKJ, Holguin).
11) **R. Minuto National,** Estrada Palma No. 658, Stgo. de Cuba. Head Office: CMCI – Edificio Odentológico, piso No. 12, Habana. Cable: "Cor." – **D. PRGR.:** 11.55–06.00 – **V.** by QSL-card. (Relays: CMGU, Finca La Chilena: CMGL, Matanzas; CMHM, Finca Santa Aracelia; CMJY, Ciego de Avila; CMJG, Camagüey; CMKL, Stgo. de Cuba; CMKD, Holguin).
12) **R. Aeropuerto Internacional S.A.,** Calle 25 No. 1111 (Altos) Vedado, Apt. 541, La Habana. – **L.P.:** Dir. Gen.: S. V. Cayro. Dir. Tec.: J. Inclán. – **D. PRGR.:** On 860 kc/s 12.00–06.00 (15 kW), 06.00–12.00 (1 kW). On 9833 kc/s: 12.00–06.00. FM: 24 h. – **V.** by QSL-card or letter.
13) **R. Cadena Habana,** San José 104, Habana.

Medium Waves:

14) **R. Garcia Serra, S.A.** Prado No. 260, Apt. de Correos No. 232, Habana. – **L.P.:** Dir. Gen.: R. G. Serra. – **D. PRGR.:** in Spanish and English: 12.30–06.30. – **V.** by letter.
15) **R. Mambi,** Paseo de Marti 107, Habana.
16) **Union Radio,** La Rampa, 23 e Infanta, Habana.
17) **R. Continental,** Prado y Colon, Habana.
18) **Emisora CMCX,** Edificio Odontológico, Vedado, Habana.
19) **R. C. del Caribe,** Prado 111, Habana. – **D. PRGR.:** 24 h. –
20) **R. Reloj S.A.,** Radiocentro, Vedado, Habana. – **D. PRGR.:** 24 h
21) **R. Alvarez,** San Miguel 570, Habana. – **L.P.:** Pres. A. Alvarez. – **D. PRGR.:** 13.00–05.00.
22) **Cubana – Americana de Radio,** Calle 10, No. 423, Vedado, Habana. – **D. PRGR.:** 12.00–05.00 in Spanish and English.
23) **Emisora CMAB,** Maceo esquina a Rosario, Pinar del Rio.
24) **R. Nacional,** Luz Caballero 4, Norte Apt. 103, Sancti-Spiritus. – **L.P.:** Dir. Tec.: M. S. Padrón. – **D. PRGR.:** 11.55–04.35. – **V.** by letter.
25) **Emisora CMHK,** Heredia 61, Cruces.
26) **Emisora CMHO,** Santa Clara.
27) **Emisora CMHC,** Cuba 57, Santa Clara.
28) **Org. Insular Radio,** Villa Maria, C. Central, Camagüey.
29) **Cadena Camagueyana de Radio,** Independencia 308, Camagüey.
30) **Camagüey, S.A.,** Ave del Aeropuerto, Camagüey.
31) **R. Oriente,** Aquilera No. 511 (Altos), Santiago de Cuba. – **L.P.:** Dir. Gen.: R. Soulary. Dir. Tec.: O. Montenegro. – **D. PRGR.:** 10.30–05.00 (Relays: CMDC, Holguin; CMDD, Bayamo; CMDJ, Guantanamo.).
32) **R. Victoria,** Victoria de las Tunas. (Relay: CMDW, Santiago de Cuba).
33) **Emisora CMDL,** Calle la, entre Ave. Los Alamos 24 de Febrero, Santiago de Cuba.

★ DOMINICAN REPUBLIC ★

L.T.: GMT+5 h. – **L.:** Spanish. – **Rcvrs.:** 100.000. (All st. comm.)

DIRECCION GENERAL DE TELECOMUNICACIONES

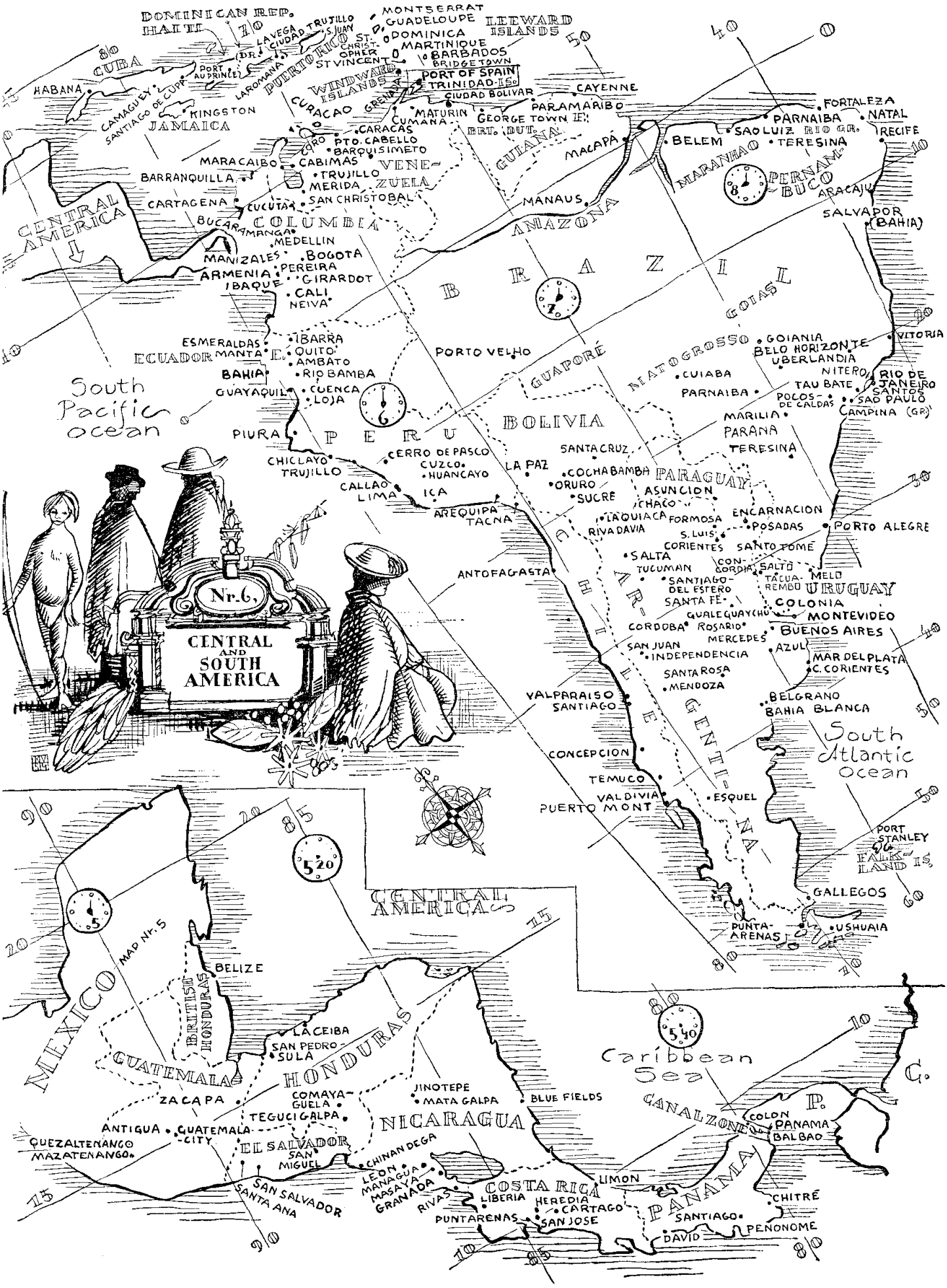
ADDR.: Ciudad Trujillo, Distrito de Santo Domingo. – **L.P.:** Dir. Gen de Telecomunicaciones: G. Saladin, O.G., M.M.,

STATIONS: approx. 11.00–05.00 (exc. where indicated). *=inactive.

Sh. Waves:	kc/s	m	kW	Call	kc/s	m	kW
1) HI3C	2440	122.8	1	13) HI8Z	5030	59.64	0.2
2)* HI1Z	3245	92.44	0.5	14) HI2L	5055	59.36	0.5
3) HI7T	3285	91.32	1	3) HI4T	5970	50.25	7.5
4) HI5N	3295	91.00	0.25	15) HI1J	6025	49.79	0.1
5) HI2S	3345	89.68	0.2	2) HI1Z	6112	49.08	1
6) HI3H	3355	89.42	0.5	16) HI1G	6130	48.94	0.25
7) HI8V	3375	88.89	0.5	13) HI8Z	6140	48.86	0.5
8) HI2D	3385	88.63	1	17) HI1R	6160	48.70	0.2
9) HI5C	4860	61.73	0.25	18) HI9T	6190	48.47	0.1
10) HI5B	4890	61.35	0.5	16)* HI2G	9590	31.28	0.25
11) HI9B	4910	61.10	0.5	3) HI2T	9735	30.82	7.5
12) HI3K	4980	60.25	1				

M.W.Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
15) HI1J	610	0.5	18) HI9U	1240	0.25	21) HI1L	1400	0.25
3) HI3T	620	10	9) HI4C	1250	1/0.1	5) HIT	1400	0.25
14) HI1L	790	0.5	20) HI3V	1310	0.5	22) HI2A	1440	0.04
13) HI9Z	820	1/0.1	10) HI4B	1330	0.5	23) HI5K	1440	0.25
16) HIG	950	0.25	2) HIZ	1350	1	17) HI2R	1450	0.25
11) HI8B	1050	1/0.1	3) HI8T	1360	1/0.1	12) HI2K	1450	1
19) HI1N	1220	0.75	3) HI6T	1380	1	6) HI2H	1490	0.2
19) HIN	1220	0.5				24) HI1A	1490	0.25

1) **Casa Puerto Rico Inc.,** La Romano.
2) **Broadcasting Nacional:** Edificio Copello, calle El Conde, Ci



map Central America South America

Trujillo. – **L.P.:** Dir. Ing.: Frank Hatton. – **D. PRGR.:** 12.00–06.00. – **ANN.:** "Transmiten Emisoras HIZ y HI1Z, C. Trujillo, La Republica Dominicana".
3) **La Voz Dominicana** Av. Ci. de Miami No. 8, Ci. Trujillo. **Cable:** "Dominicana". – **L.P.:** Pres.: General J. Arismendo Trujillo Molina. Dir. Tec.: A. Soto. – **D. PRGR.:** 11.00–04.00. – **ANN.:** "Al Servicio de la Cultura y el Progreso en general, transmite La Voz Dominicana. desde Ciudad Trujillo, Distrito de Santo Domingo, Capital de la Republica Dominicana". – **V.** by QSL-card.
4) **Emisora HI5N,** Feria de la Paz, Ci. Trujillo.
5) **Onda Musical,** Calle Dr. Faura No. 4, Ci. Trujillo. – **L.P.:** Dir. R. Pacheco.
6) **La Voz de la Alegria.** Calle Real No. 119 (Villa Duarte), Ci. Trujillo. – **L.P.:** Dir. R. T. Labrador.
7) **Diocesis de la Vega,** Cultural Religioso, Santo Cerro, La Vega.
8) **Emisora HI2D,** Edificio Generalisimo 2da Planta, Santiago. – **L.P.:** Dir. M. A Arias.
9) **La Voz del Progreso,** Calle Presidente Trujillo No. 41, San Francisco de Macoris. – **L.P.:** Dir. J. R. Peralta.
10) **Emisoras HI5B/HI4B,** Calle Maximo Gomez No. 14, Santiago de Los Caballeros. – **L.P.:** Dir. A. Vanderhorst. – **D. PRGR.:** 11.00–03.00 (Reported on 4875 kc/s).
11) **Emisoras HI9B/HI8B,** Calle 30 de Marzo No. 54, Santiago de los Caballeros. **L.P.:** Dir. J. L. Sanchez. – **V.** by QSL-card.
12) **Ondas del Yaque,** Edificio Fernandez, Santiago de los Caballeros – **L.P.:** Dir. Gen. R. Candelario LL. Mgr.: E. Perdomo. Dir. Tec.: R. Brito. – **D. PRGR.:** 11.00–03.00. – **N.:** 00.30. – **ANN.:** "Transmiten Ondas del Yaque, HI2K y HI3K desde Santiago de los Caballeros, Republica Dominicana. – **V.** by QSL-card.
13) **R. Santiago,** Calle 30 de Marzo No. 25, Santiago de los Caballeros. – **L.P.:** Dir. L. F. Moscoso C.
14) **La Voz del Tropico,** Calle Abreu No. 30, Ci. Truj llo. – **L.P.:** Dir. J. C. Pellicer. – **V.** by QSL-card.
15) **La Voz de Oriente,** Calle Sanchez No. 135, San Pedro de Macoris. **L.P.:** Dir. F. M. Donastorg. – **D. PRGR.:** 16.45–01.30. – **V.** by QSL-card.
16) **Rdif. HIG:** Av. Mella No. 150, Ci. Trujillo. – **L.P.:** Dir. A.C. Puello. – **ANN.:** "Radiodifusora Nacional, Emisora HIG, Rep. Dominicana".
17) **La Voz de Fundacion** Hotel S. Cristobal, S. Cristobal. – **L.P.:** Dir. L. Alberti. – **D. PRGR.:** 16.00–24.00 (Reported on 6175 kc/s) – **ANN.:** "Transmite la Voz de Fundacion desde San Cristobal, Rep. Dominicana". – **V.** by QSL-card.
18) **Broadcasting Tropical:** Av. Generalisimo Trujillo No. 34, Puerto Plata. – **L.P.:** Dir. L. A. Pelegrin. – **D. PRGR.:** 21.00–00.30. – **V.** by QSL-card.
19) **La Voz de la Reelección,** Calle Presidente Trujillo esq. Benito Moncion, Santiago de los Caballeros. – **L.P.:** Dir. E. Pou.
20) **La Voz del Sur-Radio Bani,** Calle Uladislao Guerreo No. 12, Bani. **L.P.:** Dir. M. E. Bello Hijo.
21) **La Voz del Camu,** Av. José Trujillo Valdez No. 2, La Vega. – **L.P.:** Dir. J. C. Pellicer.
22) **La Voz de Quisqueya, Salcedo.** – **L.P.:** Dir. J. A. Achecar.
23 **Emisoras Unidas,** Edificio Qeaña, Calle Arz. Merino. Ciudad Trujillo. – **L.P.:** Dir. P. J. Santana.
24) **La Voz del Cibao,** Calle Cardona No. 81, Moca. – **L.P.:** Dir. R. Western.

★ EL SALVADOR ★

L.T.: GMT ÷ 6 h. – **L.:** Spanish. – **Rcvrs.:** 24.000.
All stations commercial exc. YSS (Go.).
Government Dept. for Broadcasting, Ministerio del Interior, Palacio Nacional, San Salvador. – **L.P.:** Alberto Diaz.

Call	kc/s	m	kW	Call	kc/s	m	kW
1) YSC	4740	63.23	1	4)*YSABC	6130	48.94	1
2) YSU	4780	62.76	1	8) YSHQ	6170	48.62	0.15
3) YSDR	4800	62.50	1	9) YSMA	6180	48.54	0.5
4)*YSABC	4820	62.24	5	2) YSUA	6190	48.47	1
5) YSCB	4840	61.98	0.5	10) YSO	9515	31.53	1
6) YSS	6010	49.92	5	6) YSS	9555	31.40	5
7) YSR	6050	49.59	5	11)*YSY	11725	25.58	1
1) YSC	6095	49.22	1	12)*YSAX	11950	25.10	0.3

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
4) YSABC	560	5	16) YSW	930	5	19) YSCF	1150	1
6) YSS	655	10	8) YSHQ	950	0.15	5) YSCB	1175	0.5
13) YSQR	700	2.5	11) YSY	970	1	20) YSHP	1200	0.25
14) YSKL	760	0.5	17) YSDF	990	50	9) YSMA	1230	1
12) YSAX	800	5	1) YSC	1015	1	21) YSI	1250	3
3) YSDR	820	1	2) YSU	1050	10	7) YSR	1330	5
15) YSF	840	0.5	18) YSEB	1075	10	22) YSJA	1400	2.5
10) YSO	870	1						

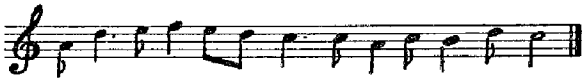
FM: mc/s	kW	mc/s	kW	mc/s	kW	mc/s	kW
16) 88.1	5	2) 90.0	0.25	6) 150.0	0.5	6) 170.0	0.5

St. 2), 4), 13) & 16) owned by R. Televisión YSU, S.A., S. Salvador.

1) **Ondas Populares y Deportivas,** 14a Av. Norte, Frente a la Iglesia de Conception, S. Salvador. – **L.P.:** Dir.: O. Valenzuela. – **D.Prgr.:** 11.00–06.00. – **ANN.:** "Esta es YSC. R. 1015 Ondas Populares y Deportivas en S. Salvador, Centro America. Laboremos por la Paz, la Cultura y el Deporte".
2) **R. Mil Cincuenta,** Av. Cuscatlan y 12a Calle Poniente No. 2, Apt. Postal No. 1050, S. Salvador. – **L.P.:** Dir. Raul Trabanino. – **D. Prgr.:** 12.00–07.00. – **V.** by letter.
3) **R. Tropical,** Av. Independencia Norte No. 6, Santa Ana. – **L.P.:** Dir. J. Meardi. – **D. Prgr.:** 12.30–14.30, 18.00–04.00. – **ANN.:** "YSDR Radio Tropical en Santa Ana, El Salvador, Centro America". – **INT.-SIG.:** Gong and Xylophone.
4) **Radioemisora Salvadoreña,** Ave. Morazan No. 3, S. Miguel. – **L.P.:** as 2). – **D.Prgr.:** 12.00–05.00.
5) **La Voz del Pacifico,** Ubinacion 9a Av. Norte No. 45, Barrio El "Angel", Sonsonate. – **L.P.:** Dir. F.A.G. Gutierrez.
6) **Radio Nacional de El Salvador,** YSS "Alma Cuscatleca" San Salvador. – **L.P.:** Dir. Gen.: C.A. Imendia. Dir. Tec.: G.C. Vides. – **D. Prgr.:** All freq.: 18.00–04.00. – **Nat. Music:** Mo., Wed., Fri.: 19.00–19.30. D. 02.00–03.00. – **N.:** 18.05, 02.00, 03.00. – **Mbg.:** Mo. 01.45, 02.00. – **ANN.:** "Transmite Radio Nacional de El Salvador en la America Central". – **INT.-SIG.:** Four notes on xylophone. – **V.** by QSL-card and prgr. schedule. – **F.PL.:** M.w. 50 kW. TV. Foreign Service.
7) **La Voz de El Salvador,** 4a Av. Norte No. 16, S. Salvador. – **L.P.:** Dir. Gen.: B. Serpas R. – **D. Prgr.:** 12.00–05.00. – **N.:** 13.15, 19.15, 00.45. – **V.** by letter.
8) **R. Progreso,** 10a Calle Poniente No. 6, Bis, S. Miguel. – **L.P.:** Dir.: C. Villa. – **D. Prgr.:** 16.00–20.00, 23.00–05.00.
9) **La Voz Suprema de Occidente,** Primera Av. Sur no. 8 or Apartado Postal 98, Santa Ana. – **L.P.:** Dir. Gen.: G. O. G. Castro. Dir. Tec.: R.A. Moran Jr. – **D. Prgr.:** 12.00–14.00. – **N.:** 13.30, 18.00, 23.45, 03.30. – **"E. by R.":** 00.45–01.00. – **ANN.:** "Transmite YSMA "La Voz Suprema de Occidente" desde Santa Ana Republica de El Salvador, en la América Central". – **V.** by letter. – **PUB.:** Notas de YSMA (monthly).
10) **La Voz de la Democracia,** 6a Calle Oriente No. 28, S. Salvador. – **L.P.:** Dir.: M. de Nussen. – **D. Prgr.:** 12.00–15.00, 17.00–21.00, 23.00–04.00. – **V.** by QSL-card.
11) **R. Victoria,** Calle Gerardo Barrios No. 43, S. Salvador. – **L.P.:** Dir.: D. Vega.
12) **La Voz Panamericana,** 2a Av. Sur No. 25, S. Salvador. – **L.P.:** Dir.: Sra. Carmen de Alfaro.
13) **R. Morazan,** Ci. de Mejicanos. – **D. Prgr.:** 12.00–05.00.
15) **R. Vanguardia,** S. Salvador. – **D. Prgr.:** 18.00–20.00, 00.00–04.00.
16) **R. del Pueblo,** Colonia Santa Lucia No. 43, bis, Santa Ana. – **L.P.:** Dir. A.C. Vides. – **D. Prgr.:** 12.00–05.00. – **V.** by QSL-card.
17) **La Voz del Tropico,** 4a Av. Norte No. 16, S. Salvador. – **L.P. & D. Prgr.:** as 7).
18) **La Voz de Latino America,** S. Salvador.
21) **R. Emperador,** Calle Arce 28, San Salvador. – **L.P.:** Dir. F.A. Piza.
22) **La Onda de la Alegria,** Radio 1400, Usulutan. – **L.P.:** Dir. Gen.: J. Infantozzi. Dir. Tec.: O.H. Appel. – **D. Prgr.:** 12.00–15.00, 17.00–20.00, 00.00–04.00. – **V.** by letter. – **F.PL.:** New tr. 1958.

★ GUADELOUPE (French West Indies) ★

L.T.: GMT ÷ 4 h. – **L.:** French. – **Rcvrs.:** 2.800.
ADDR.: Radiodiffusion Française, Basse-Terre.
HOME SCE.: 650 kc/s 462 m 1 kW – 1420 kc/s 211 m 0.05 kW 10.20–11.30, 16.15–18.00, 22.30–01.00. – **N.:** 10.30, 17.15, 23.30.
ANN.: "Ici Radio Guadeloupe, Poste National Français".
INT.-SIG.: Guitar.



★ GUATEMALA ★

L.T.: GMT ÷ 6 h. – **L.:** Spanish. – **Rcvrs.:** 300.000.
DIRECCION GENERAL DE RADIODIFUSION
ADDR.: Edificio de la Tipografia Nacional, Calle "18 de Septiembre" v 7A, Av. Sur., Guatemala.
All stations commercial exc. R. Nacional & R. Cultural (Religious).
Short Waves:

Call	kc/s	m	kW	Call	kc/s	m	kW
1) TGZB	3355	89.42	0.09	6) TGTA	6000	50.00	0.25
2) TGLAB	4900	61.22	0.02	7) TGDA	6020	49.83	0.5
3) TGNA	5952	50.40	5	8) TGTQ	6030	49.75	2
2) TGLA	5970	50.25	0.5	9) TGCO	6040	49:67	0.5
4) TGAR	5980	50.17	1	10) TGXB	6050	49.59	0.8
5) TGJA	5990	50.08	3	11) TGXX	6060	49.50	1.5

12) TGPA	6070	49.42	0.25	18) TGWB	6180	48.54	1
13) TGCB	6080	49.34	0.25	19) TGKN	6200	48.39	0.1
14) TGOA	6100	49.18	0.3	3) TGNB	9668	31.03	5
15) TGQA	6110	49.10	1	18) TGWA	9760	30.74	10
16) TGHC	6140	48.86	0.5	15) TGQB	11700	25.64	0.3
17) TGAZ	6150	48.78	0.5	20) TGCX	11750	25.53	0.35
1) TGZA	6160	48.70	0.25	3) TGNC	11850	25.32	5

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
12) TGPR	575	0.25	23a)TGTL	920	5	27) TGRL	1180	1
21) TGY	590	1	17) TGAX	950	1	13) TGCA	1190	0.25
18) TGW	640	10	24) TGCQ	980	1	28) TGED	1210	0.5
22) TGHR	700	0.3	25) TGUX	1020	1.5	2) TGL	1245	0.45
3) TGN	720	5	10) TGXA	1050	0.6	4) TGAQ	1270	1
23) TGRF	750	0.5	26) TGAF	1060	2	29) TGMU	1300	0.2
16) TGHB	780	1	7) TGD	1070	0.5	15) TGQ	1310	1
8) TGTO	810	5	20) TGC	1080	0.35	6) TGT	1390	0.25
11) TGX	850	1.5	19) TGK	1100	0.8	30) TGMS	1450	0.5
15) TGSM	860	0.25	14) TGO	1140	0.8	31) TGAG	1460	0.5
5) TGJ	880	5	1) TGZ	1170	0.5	18) TGWC	1520	1

FM: 14) TGO-FM 107.75 mc/s 0.04 kW.

1) **R. Oriental**, Zacapa. – **L.P.:** Dir.: S. Marroquin.

2) **R. Victoria**, 8a Calle Poniente 18, Mazatenango. – **L.P.:** Dir.: V. Arias C. – **D. Prgr.:** W.: 12.00–16.00, 17.30–21.00, 23.30–04.00. Sun.: 12.00–15.00, 17.00–20.00, 23.00–02.00.

3) **R. Cultural**, Apt. 601, Guatemala. – **L.P.:** Dir.: H. van Broekhoven and A. Platt. – **D. Prgr.:** Spanish: D. 12.30–14.00 on 720, 5952.5 kc/s. English: D. 03.00 04.45 on 9668, 11850 kc/s. – **E. by R.:** W. 13.00–13.15 on 720, 5952.5 kc/s. – **V.** by QSL-card or letter. R.p.

4) **R. Quetzal**, 12. Av. 26-27, Z-5, Guatemala. – **L.P.:** Dir.: T. de la Rosa. – **D. Prgr.:** W. 12.50–06.00. Sun. 13.00–02.00. – **ANN.:** "Guatemala, Aqui es Radio Quetzal 1270 kc/s onda larga, 5980 kc/s onda corta en banda de 49 metros".

5) **R. Nuevo Mundo**, 6a Av. 10-45, Z-1, Guatemala. – **L.P.:** Dir.: A. Monterroso. – **D. Prgr.:** W. 12.00–05.00. Sun. 12.00–03.00. – **ANN.:** "Radio Nuevo Mundo, Ciudad de Guatemala". – **V.** by QSL-card.

6) **R. Sonora**, 6a, Av. 14-35, Z-1, Apartado 401, Guatemala. – **L.P.:** Dir.: M. Ruiz. – **D. Prgr.:** 11.55–06.00 (Sun. 24.00). – **ANN.:** "Radio Sonora la emisora que da la hora 1390 kc/s onda larga, 6000 kc/s onda corta en 49 metros".

7) **La Voz de Occidente**, Independencia 8, Quezaltenango. – **L.P.:** Dir.: J. A. Illescas

8) **R. Internacional**, 5a, Av. 10-35, Z-1, Guatemala. – **L.P.:** Dir.: J. Monteros L. – **D. Prgr.:** 14.00–02.00 (Sun. 21.00). – **ANN.:** "La Voz de la Capital desde Guatemala" in Sp., E. & F. – **INT.-SIG.:** Electrical Xylophone. – **V.** by QSL-card.

9) **La Voz del Tropico**, 7a Av. y 4a Calle, Coatepeque. – **L.P.:** Dir.: G. Calderon.

10) **R. Centro Musical**, Pasaje Aycinena 8-27, Z-1, Guatemala. – **L.P.:** Dir.: R. Andreu S. – **D. Prgr.:** 12.00–04.00 (Sun. 01.00). – **ANN.:** "TGXA Radio Centro Musical 1050 kc/s onda larga, 6050 kc/s en banda internacional de 49 metros". – **V.** by QSL-card or letter.

11) **R. Ciro's**, 3a Av., 19-45, Z-1, Guatemala. – **L.P.:** Dir.: R. Castillo. **D. Prgr.:** 12.30–06.00. – **ANN.:** "Radio Ciros la emisora musical de Guatemala onda larga 850 kc/s TGX, onda corta 6060 kc/s TGXX". – **V.** by QSL-card or letter

12) **R. Palmeras**, 6a Calle Oriente, 1-A, Escuintla. – **L.P.:** Dir.: C. H. Melgar. – **D. Prgr.:** W.: 12.55–19.30, 01.30–03.00. Sun.: 13.25–19.30, 00.45–03.00.

13) **R. Colonial**, Calle Portocarrero 6, Antigua. – **L.P.:** Dir.: J.G. Palencia.

14) **La Voz de las Americas**, 2a Av., 13-39, Z-1, Guatemala. – **L.P.:** Dir.: C.B. Milla. – **D. Prgr.:** 11.00–07.00. – **ANN.:** "La Voz de las Americas saludando toda America desde la Ciudad de Guatemala". – **V.** by QSL-card or letter.

15) **R. Nacional**, 5a Av. Norte No. 26, Quezaltenango (TGSM: Palacio Maya, San Marcos). – **L.P.:** Dir.: J.A. Gonzales. Andrade. Dir. Prgr.: M.N.R. Rodas. Dir. Tec.: C.L. Sardá. Dir. Press. Inf.: S.C. Angel. – **D. Prgr.:** W. 12.55–04.00. Sun. 15.55–03.00. – **N.:** 02.45. – **L.L.:** English: Mo.-Fri. 13.15–13.30, 00.00–00.15. Tues.-Sat. 01.45–02.00. – **Nat. Music:** 15.00, 18.15, 02.00, 03.45. – **ANN.:** "Dios, Patria y Libertad esta es TGQ, TGQA y TGQB, Radio Nacional de Quezaltenango". – **V.** by QSL-card or letter. – **PUB.:** Monthly prgr.-sched. free on request.

16) **R. Universal**, 7a Av., 14-74, Z-1, Guatemala. – **L.P.:** Dir.: O.E.C. Garcia. – **D. Prgr.:** W. 12.00–06.00. Sun. 14.30–04.30. – **ANN.:** "Radio Universal y Radio Central en cadena". – **V.** by QSL-card or letter.

17) **R. Continental**, 13 Calle, 12-26, Z-1, Guatemala. – **L.P.:** Dir.: R. Vizcaino. – **D. Prgr.:** 12.00–06.00 (Sun. 02.00). – **ANN.:** "Difunde la Emisora mas perfecta y de alta calidad, Radio Continental, una emision para toda la República". – **V.** by QSL-card or letter.

18) **R. Nacional**, Calle "18 de Septiembre" y 7a Av., Z-1, Guatemala. – **L.P.:** Dir.: J.T. Barrios. Secr.: M.A. Menendez M. Dir. Prgr.: C.T. Viellman. – **D. Prgr.:** 12.00–06.00. – **L.L.:** English: D. 15.30. – **N.:** 17.45, 10.00, 23.45, 03.00, 04.00. – **ANN.:** "Dios-Patria-Libertad-TGW Radio Nacional de Guatemala". – **V.** by QSL-card. – **F.PL.:** Two 50 kW tr. (m.w.). Two 20 kW tr. (s.w.).

19) **R. Novedades**, 9a Calle "A", 4-50, Z-1, Guatemala. – **L.P.:** Dir.: G. Duarte. – **D. Prgr.:** 13.00–06.00. Sun. 20.00–02.00. – **ANN.:** "TGK en la Ciudad da Guatemala. Radio Novedades 1100 kc/s onda larga, 6200 kc/s onda corta en la banda internacional de 49 m. Radio Novedades, la emisora que llega más allá de donde no llegan otras". – **V.** by QSL-card or letter.

20) **R. Cristal**, 9a Av., 9-30, Z-1, Guatemala. – **L.P.:** Dir.: Quiñonez S. – **D. Prgr.:** 14.00–16.00, 17.30–21.30, 00.00–04.00.

21) **R. Progreso**, Calle "Martii" 10-39, Z-2, Guatemala. – **L.P.:** Dir.: H. Andrino.

22) **R. A.B.C.**, 8a Av., 3-30, Z-1, Guatemala. – **L.P.:** Dir.: M. Quintana.

23) **R. Faro Aviateca**, 2a Calle, 6-33, Guatemala. – **L.P.:** Dir.: R.S. Cruz.

23a) **La Voz de la Telefunken**, 12 Calle 4-16, Z-1, Guatemala. – **Cable:** "Telefunken". – **L.P.:** Dir. Gen.: E. Mayorga L. Mgr.: W. Proesamer S. Dir. Tec.: H. Möller A. – **D. Prgr.:** 12.30–06.00.

24) **R. Central**, 7a Av., 14-74, Z-1, Guatemala. – **L.P.:** Dir.: O.E. Garcia.

25) **R. Panamericana**, 13 Av., 12-67, Z-1, Guatemala. – **L.P.:** Dir.: J. Paniagua. – **D. Prgr.:** W. 11.55–06.00. Sun. 11.55–05.00.

26) **R. Indiana**, Mazatenango. – **L.P.:** Dir.: G.A. Flores.

27) **R. Landivar**, Quezaltenango. – **L.P.:** Dir.: H. Diaz M.

28) **La Voz de la Capitol**, 3a, Av. 13-07, Z-1, Guatemala. – **L.P.:** Dir.: M.T. Illescas.

29) **R. TGMU**, 13 Calle y 10a Av., Z-1, Guatemala. – **L.P.:** M. Wunderlich S.

30) **R. Nacional**, 4a Av. y 8a Calle, Mazatenango. – **L.P.:** Dir.: W.A. López S.

31) **La Voz de Huehuetenango**, Huehuetenango. – **L.P.:** M.G. Morales.

★ HAITI ★

L.T.: GMT ÷ 5 h. – **L.:** French, Creole. – **Rcvrs.:** 20.000.

STATIONS: Short Waves: (* = inactive)

Call	kc/s	m	kW	Call	kc/s	m	kW
1) 4VGS	5030	59.64	0.4	6) 4VC	9545	31.43	7.5
2) 4VPM	5040	59.52	0.225	7) 4VEH	9602	31.24	4
3) 4VRM	5068	59.19	0.4	7) 4VEH	9625	31.17	4
4) 4V2S	5320	56.39	1	7) 4VEH	9630	31.15	4
5) 4VBS	5750	52.17		7)*4VEH	9656	31.07	4
6) 4VB	5980	50.17	7.5	11) 4VRW	15250	19.67	1.5
7) 4VE	6100	49.18	0.05	7) 4VWI	15360	19.53	0.3
8) 4VGC	6135	48.90	1	7) 4VWI	15400	19.48	0.3
9) 4VWA	6155	48.74	0.15	7)*4VWI	15415	19.46	0.3
10) 4VES	6175	48.58		7)*4VWI	17720	16.93	0.3
11) 4VHW	6200	48.39	1	7)*4VWI	17820	16.34	0.3
12) 4VCP	6220	48.23	0.3	7) 4VWI	21525	13.94	0.3

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
6) 4VA	1080	1.2	14) 4VM	1250	1	12) 4VEA	1430	0.6
13)	1145		11) 4VW	1325	2	15) 4VLG	1485	1
7) 4VEC	1195	0.4						

St. 3), 6), 8), 9) and 14) relay "La Voix de la Republic d'Haiti (Go. prgr.) at 12.00–12.30 (Sun. 12.45), 19.30–20.00 (W), 23.15–24.00 (W).

1) **R. Independance**, Gonaives. – **D. Prgr.:** 11.00–14.00, 17.00–20.00, 23.00–02.30. – **ANN.:** "Ici Radio Indépendance, Poste 4VGS à Gonaives, Rép. d'Haiti, Grandes Antilles". – **V.** by QSL-card.

2) **La Voix du Nord-Ouest**, Port de Paix. – **D. Prgr.:** 11.00–19.00, 23.00–03.00.

3) **La Voix des Gonaives**, P.O. Box 112, Gonaives. – **L.P.:** Dir. Gen. & Dir. Tec.: D. Pelissier. Dir. Adm.: G. Mathelier. – **D. Prgr.:** 11.00–13.00, 17.00–19.00, 22.00–03.00. – **N.:** 00.00. **Mbg.:** 01.00. – **Nat. Music:** 12.45, 18.45, 00.45. – **ANN.: F.:** "Ici La Voix des Gonaives, Radiodiffusion populaire emettant des Gonaives, Haiti, Grandes Antilles". – **V.** by letter.

4) **R. Port-au-Prince**: Rue Pavee, Port-au-Prince. – **ANN.:** "Ici Port-au-Prince poste 4V2S". – **V.** by letter.

5) **La Voix du Sud**, Cayes. – **D. Prgr.:** W.: 17.00–19.45, 23.00–03.00. Sun. 17.00–24.00. – **ANN.:** Occasionally in Sp. and E.: "The Voice of the South".

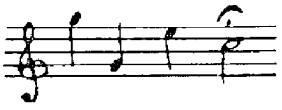
6) **R. Commerce**, Box 1143, Port-au-Prince. **Cable:** "Radioco". – **L.P.:** Dir. Gen.: Ch. Plaisimond. Mgr. & Dir. Foreign Rel.: Miss J. Hart. Dir. of Prgr.: O. Douyon. Dir. Tec.: E.C. Gentil. – **D. Prgr.:** 4VA: 11.00–03.00; 4VB: 22.00–03.30 (exc. Sun.); 4VC: 11.00–14.00 (Sun. 12.00–24.00). **French:** N.: Every hour on the hour from 13.00–23.00 and 02.00. **Mbg.:** D. 22.00. – **English:** 4VB: Wed., Fri., Sat. 02.00–02.15, Thurs. 02.30–03.00; 4VC: Sun. 22.00–22.30, 23.30–24.00. **English and Spanish (local N.):** 12.00, 19.30, 23.30. – **ANN.:** "Ici Radio Commerce". – **V.** by letter and QSL-card.

7) **"La Voix Evangelique"**, The Evangelistic Voice of the West Indies, Radio Station 4VEH, Box 1, Cap Haitien. – **L.P.:** Dir. Gen.: Rev. G.T. Bustin. Mgr., Dir. Tec.: M.E. Picazo. Dir. Prgr., Acting Mgr. C.M. Bustin. Secr.: Miss M. Stockton, Mrs. C.M. Bustin, Mrs. M.E

Picazo. Operator & Technician: S. C. West. Operator: J. Mompremier.
D.Prgr.: D. exc. Thurs. (silent day):
1195/6100 kc: 10.00–14.00 (Sat. 15.30). Sun. 17.45–04.15. Sat. 20.45–04.30. Mo. 22.15–03.15. Tues., Fri. 22.15–23.45. **9602 kc:** 22.15–03.30 (Sat. 22.15–04.30, Sun. 22.15–04.15). **9625 kc:** 10.00–14.00 (Sat. 15.30). **9630 kc:** Sun. 20.00–22.15. Sat. 20.45–22.15. Mo., Tues. 21.30–22.15. **15400 kc:** 10.00–14.00 (Sat. 15.30). Sun. 17.45–20.00. **15360 kc:** 23.45–03.30. Sat. 23.45–04.30. Sun. 23.45–04.15. **21525 kc/s:** 21.30 (Mo. 22,15, Sat. 20.45, Sun. 20.00)–23.45.
French & Creole: 11.00 (Sun. 11.30)–12.00, 17.45–20.00 (Sun. only), 22.15–23.45. – **L.L.:** (English) Mo. & Fri. 22.30–23.00, Tues. & Sat. 11.00–11.30.
English: 10.00–11.00 (Sun. 11.30), 13.00 (Sun. 12.30)–14.00 (Sat. 15.30). Sun. 20.00–22.15. Sat. 20.45–22.15, 01.00–03.30 (Sun. 03.45). – **Mbg.:** "Listeners Post" (incl. 5–10 min. DX-prgr.) Sat. 10.00–10.45, 14.30–15.15. Tues. 02.30–03.15. – "Bulletin Board": Sat. 10.45–11.00, 15.15–15.30. Sun. 03.30–03.45.
Spanish: 12.00–13.00 (Sun. 12.30), 23.45–01.00.
Russian: Tues., Fri. 21.30–22.15. Sun. 03.45–04.30. Mo. 03.30–04.15.
ANN.: F.: "Ici La Voix Evangelique des Antilles". – **E.:** "You are tuned to the Evangelistic Voice of the West Indies". – **Sp.:** "Escucha Ud. La Voz Evangelica de las Antillas". – **INT.-SIG.:** The first bar of "Amazing Grace" by John Newton. – **V.** by QSL-card (if correct) or letter or both. R.p. appreciated. – **F.PL.:** Increase power m.w. 5 kW, s.w. 10 kW tr. – **PUB.:** Prgr.-sched. free on request.

ADV. THE EVANGELISTIC VOICE OF THE WEST INDIES
Cap. Haitien, Haiti, West Indies.
Our missionary station is a non-profit organization pledged to uphold the preaching of the whole gospel and to obey the command set forth in Acts 20:18 – "To open their eyes and to turn themselves from darkness to light... that they may receive forgiveness of sins, and inheritance among them which are sanctified..."

8) **R. Liberté,** Boite Postale 427, Port-au-Prince. – **D. Prgr.:** 11.00–14.00, 17.00–03.00.
9) **R. Citadelle,** Cap. Haitien. – **D. Prgr.:** 12.00–15.00, 17.00–03.00, (Sun. 23.00). – **ANN.:** "Ici Radio Citadelle, Poste 4VWA, au Cap Haitien, capitale touristique de la Rép. d'Haiti, Grandes Antilles." – **V.** by QSL-card.
10) **La Voix de St. Marc,** St. Marc. – **D. Prgr.:** W. 11.00–13.30, 18.00–23.00. Sun. 20.00–02.00.
11) **R. Haiti,** P. O. Box 737. Port-au-Prince. – **L.P.:** Dir. Gen.: C. R. Wiedmaier. – **D. Prgr.:** 11.00–03.00 (Fri. 03.30). Sun. 14.30–23.00. – **English:** Sun. 23.30–24.00, Thurs. 02.30–03.00, Fri. 02.30–03.30. – **ANN.** in F., E., Sp.: "Vous écoutez R. Haiti, postes 4VW, 4VHW et 4VRW." – **INT.-SIG.:** Gong (4 notes). – **V.** by QSL-card.



12) **La Voix du Nord,** Cap Haitien. – **D. Prgr.:** 12.00–15.00, 17.00–19.00, 21.00–02.00. Sun. 17.00–23.00. – **ANN. F.:** "Ici la Voix du Nord, Poste Commercial de Radiodiffusion 4VCP, a affilié à la chaîne de la Paix des Nations Unies..." – **Sp.:** "La Voz del Norte." **E.:** "The Voice of the North."
13) **R. Caribe,** Port-au-Prince. – **D. Prgr.:** 12.00–03.00.
14) **Radiodiffusion Haitienne,** Ruelle Jeanty, Port-au-Prince. – **D. Prgr.:** 12.00–02.00.
15) **R. Jemel Dessailines,** Port-au-Prince, – **D. Prgr.:** W. 20.00–03.00.

★ HONDURAS (British) ★

L.T.: GMT÷6 h. – **L.:** English, Spanish. – **Rcvrs.:** 4000.
BRITISH HONDURAS BROADCASTING SERVICE (Go.)
ADDR.: British Honduras Broadcasting Service, Belize. – **Cable:** Incom. – **L.P.:** Dir.: G. V. de Freitas. Chief Eng.: D. N. Lambert.
HOME SCE.: D.: 00.00–03.30. Also Mo.-Fri. 18.00–19.15, Sat. 18.00–19.30. Sun. 17.00–19.35.

	kc/s	m	kW			kc/s	m	kW
VPM	1280	235	1	All year	VPO*	4900	61.22	0.25
VPN	3300	90.85	5	All year	VPP*	6100	49.18	0.25

*) reserve frequency as ionosphere requires.
N. in E.: 01.30. – **N. in Sp.:** 18.45, 01.15.
ANN.: E.: "This is the British Honduras Broadcasting Service." – **SP.:** "Este es el Servicio Radiodifusor de Honduras Británica." – **INT.-SIG.:** Greensleeves. – **V.** by QSL-card.

★ HONDURAS (Rep.) ★

L.T.: GMT÷6 h; Su.: GMT÷5½ h. – **Rcvrs.:** 30.000. All st. comm
MINISTRO DE FOMENTO, Secretaria de Estado en el Despacho de Fomento, Palacio Nacional Tegucigalpa.

STATIONS:

S. Waves:		kc/s	m	kW		Call	kc/s	m	kW
1)	HRXV*	3210	93.46	1	2)	HRLP	6050	49.59	0.5
2)	HRLP*	3250	92.31	0.5	12)	HRYN2	6060	49.50	1
3)	HRVW	3290	91.19	1	13)	HRMH	6075	49.38	0.5
4)	HRQ*	3320	90.36	1	1)	HRXV	6110	49.10	1
3)	HROW*	3375	88.89	1.5	4)	HRQ	6125	48.98	2
6)	HRNQ*	3390	88.50	10	14)	HRMF	6135	48.90	0.5
6)	HRNQ*	4815	62.31	10	15)	HRXN	6145	48.82	0·5
7)	HRTP	4930	60.85	0.5	8)	HRTW	6165	48.66	5
8)	HRTW*	4940	60.73	1.5	16)	HRMT	6185	48.50	0.5
5)	HROW	5880	51.02	1.5	17)	HRD2	6195	48.43	0.25
9)	HRN	5960	50.34	1	6)	HRNQ	6200	48.39	10
3)	HRVW	5972	50.22	1	6)	HRNQ*	9670	31.02	10
10)	HRP1	5995	50.04	1	6)	HRNQ*	11960	25.08	10
11)	HRQR	6005	49.96	0.5	6)	HRNQ*	25710	11.67	10
					6)	FM. HRNQ	100.000 mc/s		

M. Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
3) HRWW	580	2.5	6) HRNQ	775	10	14) HRMF	1350	0.5
2) HRLP	610	1	3) HROW	845	2	19) HRRH	1370	0.5
16) HRMT	640	1	15) HRXN	1040	0.5	7) HRTP	1450	0.5
9) HRN	670	0.25	18) HRQN	1150	0.5	13) HRMH	1500	0.5
8) HRTV	710	1	1) HRXW	1200	0.25	*) inactive.		
12) HRYN	740	1	11) HRQR	1320	0.5			

1) **R. Comayaguela,** 4 a Calle, Comayaguela. – **L.P.:** Dir.: H. Andino. – **D. Prgr.:** 13.00–04.00. – **V.** by QSL-card.
2) **R. America,** Barrio La Guadalupe, Tegucigalpa, D.C.
3) **La Voz de Centro America,** Apt. 120, San Pedro Sula. – **L.P.:** Dir. Gen.: A. Rios T. Mgr.: J. J. Sikaffy. Dir. Prgr.: J. L. Venegas. Dir. Adm.: Srta. M. E. Sikaffy. Dir. Tec.: H. H. Merman. Dir. Foreign Rel.: J. T. del Pino. – **D. Prgr.:** 12.00–06.00. – **N.:** Every h. on the h. exc. 18.00, 03.00. – **Commentary:** D. 18.00–18.15, 03.00–03.15. – **Nat. Music:** D. 18.15–19.00. – **Wrp.:** D. 12.00. – **INT.-SIG.:** Xylophone and Gong. – **V.** by letter. – **F.PL.** TV st. 1958.
4) **R. Suyapa,** Apt. Postal No. 33, San Pedro Sula. – **L.P.:** Dir. E. Galeano. – **D. Prgr.:** 12.00–05.00. – **V.** by letter.
5) **R. Monserrat,** P. O. Box 253, Tegucigalpa. – **Cable:** "Monserrat". – **L.P.:** Dir. & Mgr.: A. L. Gomez. Dir. Ted.: L. E. Gomez. – **D. Prgr.:** 12.00–04.00. – **ANN.:** "HROW-R. Monserrat, la Emisora de los Hondureños, en Tegucigalpa, Honduras, C. America." – **V.** by QSL-card.
6) **R. Morazan,** P. O. Box 393, Tegucigalpa. – **D. Prgr.:** 13.00–04.00.
7) **La Voz de Olancho,** Juticalpa, Olancho.
8) **Union Radio,** Apt. 734, Tegucigalpa, D.C. – **Cable:** "Caribe". – **L.P.:** Dir. Gen.: S. Fernández A. Dir. Adm.: R. Rosa. Dir. Tecnic: S. Fernandez A. – **D. Prgr.:** 6165 kc/s ("Onda musical del Oyente") & 710 kc/s ("La Onda Deportiva Mil por Mil"): 12.00–05.00. – **N.& Wrp.:** 13.30, 19.30, 04.00. – **Nat. music:** D. 12.30–12.45. – **Request Prgr.:** D. 16.00–18.00, 01.30–03.00. – **ANN.:** "Union Radio, desde Tegucigalpa, Honduras, Centroámerica en su receptor". – **V.** by letter. – **F.PL.:** Increase power m.w. Nat. network.
9) **La Voz de Honduras,** Av. Lempira, Tegucigalpa, D.C. – **L.P.:** Dir. R. v. de. Ferrari. – **D. Prgr.:** 12.00–05.00.
10) **El Eco de Honduras,** San Pedro Sula. – **D. Prgr.:** 14.00–05.00.
11) **La Voz del Pueblo,** Av. da La Paz, Tegucigalpa. – **L.P.:** Dir. E. Zuniga. – **D. Prgr.:** 13.00–05.00.
12) **La Voz del Merendon,** Barrio Paz Barahona, S. Pedro Sula. – **L.P.:** Dir. E. Morales. – **D. Prgr.:** 13.00–04.00. – **V.** by letter.
13) **La Voz del Junco,** Santa Barbara, S.B. – **D. Prgr.:** 11.30–04.00.
14) **La Voz del Patio,** La Ceiba, Atlántida. – **D. Prgr.:** 13.00–04.00.
15) **Alma de Centro America,** Colonia Reforma, Tegucigalpa, D.C.
16) **R. Molino Rojo,** San Pedro Sula. – **D. Prgr.:** 12.00–04.00.
17) **La Voz de Atlántida,** La Ceiba, Atlántida. – **L.P.:** Dir. M. v. de Moncada. – **D. Prgr.:** 12.00–04.00.
18) **La Voz del Atlántico,** Barrio La Curva, Puerto Cortez.
19) **La Voz de Occidente,** Santa Rosa de Copan.

★ JAMAICA (British West Indies) ★

L.T.: GMT÷5 h. – **L.:** English. – **Rcvrs.:** 16.500 (Red. 10.000).
JAMAICA BROADCASTING CO. LTD. (Go., Comm.)
ADDR.: 32, Lyndhurst Rd., Cross Roads, Kingston. – **Cable:** "Broadco.". – **L.P.:** Man. Dir.: W. MacLurg. Dir. Tec.: R. Aldridge. Dir. Prgr.: M. Needham. Sales Man.: A. L. Hendriks. Secr., Accountant: W. de Pass. Red. Mgr.: J. Holbrook.
HOME SERVICE inE.: 10.50–04.10. Calypso music used in prgrs.

Mandeville	560 kc/s	0.5 kW	Port Maria	880 kc/s	5 kWd
Kingston	720 –	5 –	Montego Bay	1180 –	1 –
Kingston	4950 –	60.60 m	2 kWd.		

FM: Kingston 94.6 mc/s 2,5 kW: 10.00–06.00. – Christiana 90.6 mc/s 3 kW: 10.50–04.10.
ANN.: "This is R. Jamaica and Rediffusion Network." – **V.** by QSL-card.

★ LEEWARD ISLANDS ★

L.T.: 4 h behind GMT. – L. English. – Rcvrs.: 1114.
Antigua (Isle of)
RADIO ANTIGUA (Go.)
ADDR.: c/o The Administor's Office, St. John's, Antigua. B.W.I.
L.P.: Dir. Adm.: The Adm. of Antigua. Dir. Prgr.: Mrs. M. Branch, Asst. Dir.: Miss Y. Maginley. Ex. Officer: E. A. M. John. Dir. Tec.: G. A. Thibou.
HOME SCE.: 3255 kc/s 92.15 m 0.05 kW.
Sun.: 20.00–21.00. Mo., Wed.: 10.30–11.00, 23.00–24.00. Fri.: 10.00–11.00. – N.: Sun. 20.00. – Nat. Music: Mo. 23.00–23.15.
ANN.: "This is Radio Antigua broadcasting on 3255 kilocycles or a wavelength of 92.16 m." – V. by letter. – **F.PL.**: New tr. 0.5 kW.

RADIO MONTSERRAT (Semi-official.)
ADDR.: P. O. Box 201, Plymouth. – **L.P.**: Chief Eng.: Frank S. Delisle (private owner of transmitter and studio).
HOME SCE.: 3255 kc/s 92.15 m 0.04 kW.
Sun. 16.30–17.00, 20.00–20.30, Wed. 18.15–18.30, 19.00–19.30.

★ MARTINIQUE (French West Indies) ★

L.T.: GMT+4 h. – L.: French. – Rcvrs.: 8.000.
ADDR.: Radiodiffusion Française, Clairière, Fort de France.
HOME SCE.: 1500 kc/s 200 m 1 kW.
W.: 10.15–11.40, 16.15–17.45 (Sat. 19.00), Sun.: 10.45–14.15, 16.15–19.00, 22.00–02.00.
ANN.: "Ici Radio Martinique, Poste National Francais."
INT.-SIG.: First six notes of "Sous les Ponts de Paris", xylophone. –

★ MEXICO ★

L.T.: GMT+6 h. generally. – L.: Spanish. – Rcvrs.: 1.650.000.
Cultural St.: Short Waves:*=inactive.
1) XEJG 4820 62.24 0.2 3)* XEYU 9600 31.25 0.25
2)* XEXA 6175 48.58 0.1 3a) XERUU 15300 19.60 0.25
1) XEJB 630 kc/s 0.5 kW 2) XEDP 1060 kc/s 50 kW
3) XEUN 860 kc/s 5 kW 3a) XERU 1310 kc/s 1/0.25 kW
+2 m.w. stations less 0.25 kW.
Commercial Stations: Short Waves.

	kc/s	m	kW		kc/s	m	kW
4)XEOI	6010	49.92	2.5	13)XETT	9550	31.41	1
5)XEUW	6020	49.83	0.25	14)XEBT	9625	31.17	10
6)XEKW	6030	49.75	5	15)XEQQ	9680	30.99	1
7)XETW	6045	49.63	5	16)XEBR	11820	25.38	5
8)XEXG	6065	49.46	5	17)XELZZ	11860	25.29	
9)XEQM	6105	49.14		18)XEHH	11880	25.25	1
10)XERCM	6130	48.94	10	8)XEXE	11900	25.21	1
11)XEWW	9500	31.58	10	8)XEXF	11960	25.08	5
8)XEXF	9535	31.46	5	11)XEWW	15160	19.79	10
12)XEFT	9545	31.43	0.25	19)XECS	15205	19.73	5

Medium Waves: m.w. st.+163 low power stations.

Call	kc/s	kW	Call	kc/s	kW
11) XEWA	540	50	11) XEWM	900	50
20) XEQW	550	5	16) XEQN	920	50
21) XEAV	580	5	46) XEBM	920	5/1
22) XEFI	580	5/0.25	47) XEMJ	920	1
23) XEMU	580	5	15) XEQ	940	150/50
24) XEPH	590	5	48) XEGM	950	5
25) XERT	590	5/0.25	5) XEU	960	0.5
26) XEBB	600	10	49) XEDF	960	5/1
27) XEDN	600	1	50) XEJ	970	10/5
28) XEUF	610	5/1	51) XEK	970	5
29) XEBX	610	5/0.5	52) XETU	980	5/1
30) XEGS	610	5/0.75	53) XENR	980	5/0.5
31) XENK	620	10	54) XEXE	980	1
32) XEFB	630	10	55) XECS	990	5
33) XEZM	650	5	56) XECL	990	5
34) XERPM	660	50	57) XET	990	50
35) XELG	680	10	58) XEBC	990	1
36) XEN	690	5	4) XEOY	1000	10
37) XEAC	690	5	59) XEHL	1010	10/5
8) XEX	730	200	60) XEKD	1010	0.5
15) XEQVV	730	50	61) XEQR	1030	10/1
38) XEHJ	760	1	62) XED	1050	10
11) XEWB	760	50	63) XEG	1050	150
39) XERC	790	5	64) XERB	1090	50
40) XECR	790	5	10) XERCN	1110	50
41) XELO	800	150	65) XEJP	1150	10
7) XEFW	810	50	66) XEFD	1170	5
42) XELA	830	10/5	67) XECD	1170	0.5
43) XETQ	850	10	68) XEFR	1180	5
44) XEMO	860	5	11) XEWK	1190	50
45) XEPQ	870	1	69) XELC	1200	5/1
11) XEW	900	250	14) XEB	1220	100

Call	kc/s	kW	Call	kc/s	kW
9) XEMQ	1240	1/0.25	90) XEBS	1410	5/1
12) XETF	1250	0.5	91) XEWM	1410	5/0.5
70) XEL	1260	10	92) XEPK	1420	1
71) XEJW	1270	10	93) XEWE	1420	1
72) XEAG	1280	1	94) XEF	1420	5/0.5
73) XEAW	1280	5	95) XEBC	1430	1
74) XEDA	1290	5	96) XEOX	1430	5/0.5
6) XESF	1300	0.5	97) XELL	1430	5/0.25
75) XEBP	1310	10/0.25	98) XEHA	1440	5/1
76) XEAI	1320	1	17) XELZ	1440	5/1
77) XEDB	1340	0.25	99) XEDJ	1450	0.1
13) XEQK	1350	1	100) XEYC	1460	1
78) XETB	1350	5/0.5	101) XEAU	1470	5
79) XEMR	1370	10	102) XESM	1470	10/5
80) XEHF	1370	5	103) XEPR	1480	5
81) XEMX	1380	1	104) XERA	1490	0.25
82) XEM	1390	5/0.5	18) XERH	1500	20
83) XERW	1390	0.25	105) XEJJ	1550	10
84) XEYZ	1400	1	106) XEXO	1550	50
85) XEAB	1400	0.25	107) XERF	1570	250
86) XEWF	1400	0.25	108) XEDM	1580	50
87) XEDE	1400	1/0.5	19) XEMC	1590	10/5
88) XEI	1400	1	109) XEOB	1590	5
89) XEPF	1400	0.25			

FM:	mc/s	kW		mc/s	kW
XET-FM	88.1	0.25	XEW-FM	96.9	10
XEW-FM	90.7	10	XEN-FM	99.7	
XHFM	94.1	1	XEOY-FM	100.5	3
XEW-FM	94.7	10			

The Mexican government requires all sts. to carry "La Hora Nacional del Gobierno Mexicano" every Mo.: 03.00–04.00. The broadcast originates in the studios of XEW usually, and the technical facilities of XEW are used in transmitting the prgr. and relaying to all other sts.

1) **Gobierno del Estado de Jalisco,** Guadalajara, Jal.
2) **R. Gobernacion,** Calle de Bucareli, Mexico, D.F. – Rel. XEW.
3) **Universidad Nacional de Mexico,** Justo Sierra 16, Mexico D.F.
3a) **Universidad de Chihuahua,** Chihuahua.
4) **R. Mil,** Fomento de Radio S.A., Ayuntamiento 101, Mexico, D.F. – Cable: "Radio Mil." – **L.P.**: Dir. Gen.: E. G. Salas. Dir. Tec.: Eng. M. R. Canale. – **D. Prgr.**: 12.00–08.00: XEOI for C. & S. America & So. We. U.S.A. Rel. WRUL: Sun. 02.30. – **ANN.**: "En los mil kilociclos de su radio, esta es Radio Mil, con musica bailable a su gusto" – **V.** by QSL-card or letter.
5) **El Eco de Sotavento,** Vera Cruz, Av. Independencia No. 230. – **L.P.**: Dir.: Sr. Sosa. – **D. Prgr.**: 11.30–06.00. – **INT.-SIG.**: Four chimes. – **V.** by letter.
6) **R. Continente,** Morelia, Mich. – **D. Prgr.**: 13.00–05.00.
7) **La Voz de Tampico,** Madero, 416 Oriente, Apt. Postal No. 797, Tampico, Tamps. – **L.P.**: Dir.: V. Flores and J. E. Martinez. – **D. Prgr.**: Home Sce. in Sp.: 13.30–00.30. – **N.**: 13.50. – Foreign Sce .in English (for So. U.S.A.): 10.30–13.30, 00.30–06.00. – **V.** by letter.
8) **Radiodifusora México,** Domicilio Conocido, Léon, Gto. – **D. Prgr.**: 11.45–06.15. XEX, XEXF, XEXE, XEXG rel. XEQ.
9) **R.dif. XEMQ/XEQM,** Calle 60 735, Merida, Yucatan. – **D. Prgr.**: 00.00–04.00.
10) **R. Central de México,** R. Cadena Nacional, S.A., Calle Bucareli No. 12, P. O. Box 20932, Mexico. – **L.P.**: Mgr.: G. F. Oviedo. – **D. Prgr.**: 12.00–06.00. – **N.**: 12.00, 18.00, 21.00, 05.00. – **ANN.**: "Aqui Mexico – Aqui RCN Estacion piloto de Radio Cadena Nacional, XERCN." – **V.** by QSL-card.
11) **La Voz de la America Latina desde Mexico,** Cadena Radiodifusora Mexicana, Ayuntamiento 54, Mexico, D.F. – Rel. sts.: XEWA Domicilio Conocido, S. Luis Potosi. – XEWB, Vera Cruz – XEWM, Monterrey. – XEWK, Guadalajara. – **L.P.**: Pres. E. Azcárraga. Dir. Tec.: J. de la Herran. – **D. Prgr.**: 11.45–06.00. – 900 kc/s for Mexico, 9500 kc/s for N. Mexico, S.oWe. U.S.A., 15160 kc/s for C. & So. America. **N.**: 14.00, 18.00, 00.45, 04.45 (exc. Sun.) 05.45. – **ANN.**: Call given every quarter hour: "XEW Ciudad de Mexico." – **INT.-SIG.**: Three chimes. – **V.** by QSL-card or letter.
12) **La Voz de Vera Cruz,** Indep. No. 74, Vera Cruz, Ver. – **D. Prgr.**: 12.00–04.00. – **V.** by QSL-card.
13) **La Hora Exacta,** Dolores No. 10, Primer piso, Mexico D.F. – **L.P.**: Dir.: G. Morales B. – **D. Prgr.**: 24 h. a day. – **ANN.**: "XEQK, Radio Reloj de la Hora." – **INT.-SIG.**: Alarm-clock bell.
14) **El Buen Tono,** Cadena Mexicana de Radio, Calle del Buen Tono No. 6, Mexico D.F. – **L.P.**: O.: E. Azcárraga. Dir. Tec.: J. C. Buchanan. – **D. Prgr.**: **Spanish, English:** 12.45–06.00. **N. in English:** 00.15 (Mo., Fri.). – **ANN.**: "XEB y XEBT, Voz y Expresion de Mexico." – **INT.-SIG.**: Cuckoo signals. – **V.** by QSL-card or letter.
15) **R. Mexicana del Centro,** J. M. Marroqui No. 11, 20 y 50 pisos, P. O. Box 940, Mexico D.F. - **L.P.**: Dir.: E. Balli, Dir. Tec.: J. de Lerran **Home Sce.**: XEQ 11.45–06.15 to the center of Mexico. Rel. by XEX and s.w. st. – **Foreign Sce.**: 11.45–06.15 on 9680 kc/s (S. America). – **ANN.**: "XEQ, Ciudad de Mexico" (4 chimes) "nuestro siguiente programa" exc. d. 17.55–20.45, 21.55–03.00: "XEX Leon, XEOB Tor-

reon, XEAW Monterrey, enlazadas con la estacion XEQ de la Ciudad de Mexico."
16) **El Heraldo de Sonora**, Hotel "San Alberto", Rosales y Vildosola, P. O. Box 68, Hermosillo, Son. – **L.P.**: Dir.: C. G. Balderrama A. – **D. Prgr.**: 13.00–17.00, 23.00–04.00. – **N.**: 13.30, 20.30, 03.00. – **Dx-Prgr.** by request from DX-Clubs on.y. – **ANN.**: "XEBH, XEBR, "El Heraldo de Sonora" desde Hermosillo." – **V.** by letter.
17) **R.dif. XELZ/XELZZ**, Rio Po. No. 46 Col. Cuauhtémoc, Mexico D.F.
18) **R.dif. XERH-XEHH**, A.R.S.E.S.A., Zempoala No. 77, México D.F. – **L.P.**: Gen. Mgr. A. Tuero Cubillas. – **D. Prgr.**: 13.00–06.00. – **ANN.**: "XERH, 1500 kc/s onda larga, y XEHH 11880 kc/s onda corta, transmitiendo desde la muy noble y leal Ciudad de Mexico."
19) **Heraldos de las telas del Junco**, Bolivar y Republica del Salvador, Mexico D.F. – **D. Prgr.**: 16.00–06.00. – **ANN.**: "XEMC y XESC, Heraldos de las telas de Junco."
20) **R. Mexicana de Merida**, S.A., Calle 64 No. 526, Mérida.
21) **R. Independencia** No. 42 Norte, Guadalajara.
22) **El Pregonero del Estado de Chihuahua**, Calle Libertad 1302, Chihuahua, Chih. – **D. Prgr.**: 13.00–01.00 (5 kW), 01.00–06.00 (0.25 kW).
23) **R. XEMU**, Emilio Carranza No. 3. Piedras Negras.
24) **Radio 590**, Cia Mexicana de Radiodifusion, S.A. Av. Morelos No. 58, Mexico D.F. – **D. Prgr.**: 13.00–07.00.
25) **R. Televisora Siglo XX, S.A.**, Juarez No. 119 Sur, Reynosa.
26) **R. Acapulco S.A.**, Morelos 3, Acapulco, Gro. – **L.P.**: Dir. Gen.: A. E. Masini. – **D. Prgr.**: 12.00–06.00. – **V.** by QSL-card.
27) **Difusoras del Norte S.A.**, Av. Juarez 1465, Pte., Torreón, Coah. – **L.P.**: Mgr.: H. G. Rivera. – **D. Prgr.**: 13.00–05.00.
28) **R. XEUF** – Alvaro Obregón No. 19, Uruapan.
29) **R. Dif. Coahuila**, Ave. Carranza 38 y Zaragoza, Sabinas.
30) **Radio Guasave**, S.A., Zaragoza No. 20-Bis, Guasave.
31) **La Emisora de la Juventud**, No. 34 Calle Balderas, Mexico D.F. 4th Floor. – **D. Prgr.**: 12.30–06.00.
32) **Emisoras Incorporades de Monterrey**, S.A., 5 de Mayo Ote 112, Monterrey.
33) **La Voz del Comercio de Zamora**, 5 de Mayo 30, Zamora.
34) **R. Programas de Mexico**, Av. Insurgentes No. 323, Mexico, D.F. – **ANN.**: "En 660 kc, su frequencia de oro, esta es XERPM, R. Prgrs. de Mexico."
35) **R. Impulsora del Centro**, Pasaje de las Tullerias 1, Léon.
36) **R. XEN**, Calz. a México No. 44. B. Axotla, Mexico, D.F.
37) **R. XEAC**, Esq. Lerma y Dravo Col. Marrón, Tijuana.
38) **La Voz de Oro de los Altos**, Apdo. Postal 1333, Guadalajara. – **L.P.**: Dir. Gen.: V. M. Chávez. – **D. Prgr.**: 13.00–01.30. – **V.** by QSL-card.
39) **Radio Exitos**, Articulo 123 No. 90, México, D.F. – **L.P.**: Owner: F. Aguirre. – **D. Prgr.**: 12.30–06.00.
40) **R. Oaxaca**, Carlos Buztamanta 17, Oaxaca.
41) **R.dif. de P. Negras**, Calle 21 y "K", C. Juárez.
42) **R. Metropolitana**, S.A., Paso de la Reforma, Mexico, D.F.
43) **R. XETQ**, Colón y Sur 3 Altos, Orizaba.
44) **R. XEMO**, Durango No. 10, Tijuana.
46) **R. XEBM**, Jardin Hidalgo No. 15, San Luis Potosi.
47) **R. Popular Fronteriza**, Bvd. Venustiano Carranza No. 6, Aptdo. Postal No. 57, Piedras Negras. – **L.P.**: Dir., Owner: J.F.E.Valdes. Dir. Tec.: R.L.Reyes B. – **D. Prgr.** in **Spanish, English**: 12.00–03.00. – **V.** by QSL-card and letter.
48) **R. XEGM**, Av. "G" No. 185, Tijuana, B.C.
49) **R. XEDF**, General Gonzáles No. 1609, Nuevo-Laredo, Tams.
50) **Mexican Broadcasting Co.**, Constitucion No. 402, Ciudad Juarez, Chih.
51) **R. XEK**, Jalapa No. 51, Mexico, D.F.
52) **R. Tampico**, Diaz Mirón 301 Ote altos, Apt. Postal No. 414, Tampico. – **L.P.**: Dir. Gen. Dr. A.A.Cantu.
53) **R. XENR**, Domicilio Conocido, Nueva Rosita, Coah.
54) **R. Navojoa**, Av. Juarez No. 20, Apt. 226, Navojoa. – **L.P.**: Mgr.: J.S.Terminel. – **D. Prgr.**: 11.55–06.00.
55) **R. XECS**, Hidalgo No. 152, Mantanillo, Col.
56) **R. XECL**, Av. Madero No. 621, Mexicali, B.C.
57) **El Pregonero del Norte**, 15 de Mayo Ote 650, Monterrey. – **L.P.**: Mgr.: G.M. de la Garza. – **D. Prgr.**: 11.45–06.00. – **V.** by letter.
58) **R.dif. XEBC**, Artes 53 y 57, Ciudad Guzman, Jal. – **L.P.**: Dir. Gen.: R.C.Gonzáles. – **D. Prgr.**: 12.00–05.00.
59) **R. XEHL**, Sector Hidalgo, Calle 10 No. 183, Guadalajara, Jal.
60) **R.dif. XEKD**, Calles de Guerrero y Ocampo, Ciudad Acuna, Coah. (or P.O. Box 846, Del Rio, Texas, USA). – **L.P.**: Dir. Gen.: R.R. González. – **D. Prgr.**: 13.00–03.00.
61) **R. Centro**, 90 Articulo 123, Mexico, D.F. – **D. Prgr.**: 12.30–08.00.
62) **R. XED**, Av. Madero y Azueta, Mexicali, B.C.
63) **La Voz de Norteamérica**, Hidalgo No. 426, P.O. Box 638, Monterrey, N.L. (for USA listeners: R. St. XEG, Fort Worth 11, Texas, USA). – **L.P.**: Gen. Mgr.: T.Bichara. – **E. Prgr.**: D. 24 h. – **Home Sce. in Sp.**: 13.00–22.00. – **Foreign Sce. in English**: 22.00–13.00. – **ANN.**: E.: "This is R. America (or "the Voice of North America"), Station XEG, the friendly 1050 spot on your radio dial". – **V.** by letter or QSL-card.
64) **Interamericana de R.**, Edif. California No. 2, Rosarito.
65) **R. América**, Calle de Sevilla No. 9, Col. Juárez, Mexico, D.F.
66) **R. XEFD**, Carretera a Matamoros, Rio Bravo.
67) **R. XEGD**, Reforma 919 Altos, Puebla, Pue. – **L.P.**: Dir. Gen.: J.G.Corral. Dir. Tec.: Ing. C.A.Caballero. – **D. Prgr.**: 13.00–06.00
68) **R. Felicidad**, Isabel la Católica No. 33-117, México, D.F.
69) **R. XELC**, Ocampo No. 3, La Piedad.
70) **Capital Broadc. System**, No. 400 Reforma Dept., 701, México, D.F. – **L.P.**: Gen. Mgr.: M.V.Quiros. – **D. Prgr.**: 12.30–09.00. **English**: Sun. 14.30–16.00, Mo. 00.30–04.00, Tues.-Sat.: 13.30–15.00, 01.00–04.30. **N.**: 01.00, 03.45. – **INT.-SIG.**: Xylophone. – **ANN.**: "This is XEL, Radio Capital, Mexico City"... "XEL, R. Capital desde la capital de Mexico".
71) **R. XEJW**, Herdo No. 7, Jalapa.
72) **La Voz de Cordoba**, Avda. 1a No. 135, Córdoba. – **L.P.**: Mgr.: J.L.S.Jácome. – **D. Prgr.**: 13.00–06.00. – **V.** by letter.
73) **R. XEAW**, Calle de Paricutin 316, Monterrey. Rel. XEQ.
74) **Publicistas, S.A.**, Dolores No. 10 Primer Piso, Mexico, D.F.
75) **La Voz de la Laguna, S.A.**, Cepeda Sur No. 409, Torreón.
76) **R. Horizontes**, México, D.F. – **D. Prgr.**: 13.00–06.00.
77), 87) **R. dif. XEDB/XEAB**, Av. Obregon 210 Sur, Santa Ana (XEAB: Santa Ana; XEDB: C. Obregon). – **L.P.**: Dir. A.M. Castro. **D. Prgr.**: XEAB: 14.00-04.00. XEDB: 12.00-05.00. **V.** by letter.
78) **R. Laguna S.A.**, Valdés Carrilho No. 223, Sur, Torreón, Coah.
79) **R. XEMR**, Galeana Norte No. 1055, Monterrey, N.L.
80) **R. XEHF**, Altos Edificio BCO. Agric y Gan., Nogales, Son.
81) **R. Femenina**, Av. Morelos No. 58 12th Floor, Mexico, D.F. – **L.P.**: O.: L.M.Vertiz. Dir. Tec.: Srta. A.Diaz. – **D. Prgr.**: 13.00–06.00. – "La Hora Internacional": D. 02.00–03.00. – **ANN.**: "XEMX – Radio Femenina, de mujer a mujer en Mexico".
82) **Mexican Broadc. Co.**, Ojinaga No. 4106, Chihuahua, Chih.
83) **El Heraldo de Guanajuato**, Calle Belisario Dominguez 322, Altos, Léon. – **L.P.**: Mgr.: L.C.Medina. Dir. Tec.: Ing. A.M.Meléndez.
84) **R. Rosita**, Apt. Postal 16, Nueva Rosita. – **L.P., D. Prgr.**: as 47).
85) **R. XEAB**, Ave. Obregón No. 207 "S". Santa Ana. Son.
86) **La Voz de Morelos desde Cuautla**, Guerrero No. 81, Apt. No. 36, Cuautla. – **L.P.**: Dir.: F.D.Enriquez. – **D. Prgr.**: 14.00–02.00.
87) **La Voz de Coahuila**, Corona Pte. 310, Saltillo, Coah. – **L.P.**: Mgr.: A.J.Aguero. Dir. Tec.: A.Ramirez. – **D. Prgr.**: 12.00–05.30. – **N.**: 14.15. – **V.** by letter (night prgr.s only). R.p.
88) **La Voz de Michoacan desde Morelia**, Portal Hidalgo No. 213, Morelia. – **L.P.**: Dir. Gen.: T.P.Gutierrez. – **D.Prgr.**: 12.00–05.00.
89) **R. XEPF**, Moctezuma 1198 Esquina Av. Juarez y Riveroll, Ensenada. – **L.P.**: Dir. Gen.: E.Clark. – **D. Prgr.**: 14.00 08.00.
90) **R. XEBS**, Plaza Santos Degollado No. 10, 20 p., Mexico, D.F.
91) **R. Televisora Tabasquena**, Domicilio Conocido, Villahermosa.
92) **R.dif. XEPK**, Edificio Reforma 2, Depto. 5, Pachuca. – **L.P.**: Dir. Gen.: R.Cahero. – **D. Prgr.**: 13.00–04.00. – **V.** by letter.
93) **R. Irapuato**, Tresguerras 23, Apt. Postal 118, Irapuato. – **L.P.**: Mgr.: A.C.Hidalgo. – **D. Prgr.**: 13.00–05.00.
94) **R. XEF**, 20 de Noviembre 504, C. Juárez.
95) **R. XEBC**, Colón 52, Ciudad Guzmán. – **L.P.**: Dir. Gen.: G.N. Jazo. – **D. Prgr.**: 12.00–04.00. – **V.** by letter. Return postage required.
96) **R. XEOX**, Veracruz No. 63, Ciudad Obregón, Son.
97) **R. XELL**, Av. Independencia No. 62, Veracruz, Ver.
98) **R. XEHA**, Allende 4 Altos, Ciudad Camargo, Chih.
99) **R. Magdalena**, Av. Escobedo No. 98, Magdalena. – **L.P.**: Dir Gen.: J.L.Rochin. Dir. Tec.: A.H.Hernandez. – **V.** by letter.
100) **R. XEYC**, Av. 16 de Sept. y Progreso, Ysela, Ciudad Juarez, Chih.
101) **R. XEAU**, Av. Carranza No. 1638, Tijuana.
102) **El Heraldo del Chocolate Abuelita**, Navarte, Mexico, D.F. – **D. Prgr.**: D. 24 h.
103) **R.dif. XEPR**, Apt. No. 4, Mexico D.F. – **L.P.**: Dir. Gen.: M.T. Carreno. – **D. Prgr.**: 11.55–05.00. Sun. 15.00–15.30 in Totonaco. – **ANN.**: "Esta es XEPR desde Poza Rica de Hidalgo, Veracruz, Capital Petrolera de Mexico".
104) **Red Nacional Radioemisora**, Libertad 1302, Chihuahua. – **L.P.**: Gen. Mgr.: E.R.Chapa. – **D. Prgr.**: 13.00–05.00.
105) **R.dif. XEJJ**, Carrillo Puerto No. 6, Jalapa.
106) **R. XEXO**, Av. Guerrero No. 1105, Altos 6, Nuevo Laredo (for USA listeners: XEXO, Laredo, Texas, USA). – **D. Prgr.**: 10.00–06.00. **Home Sce.**: 10.00–22.00. **Foreign Service in English** (for USA): 22.00–06.00.
107) **"The Good Neighbor Station"**, Villa Acuna, Coah. (For listeners in USA: Station XERF, Del Rio, Texas, USA). – **L.P.**: Dir. Tec.: Alvaro Esquivel Castro. – **D. Prgr.**: 23.00–13.00. **Sp.**: 23.00–23.30, 08.00–10.00, 12.30–13.00. Mo. "The Mexican National Hour" 03.00 04.00. **English**: 23.30–08.00 (exc. Mo. 03.00–04.00), 10.00–12.30. – **V.** by letter.
108) **R. Pacifico**, Hotel Washington, Apt. Postal 285, Hermosillo, Son. (For USA listeners: St. XEDM, P.O. Box 55, Nogales, Arizona). **D. Prgr.**: 09.00–07.00. **Sp.**: 09.00–22.00, 05.00–07.00. **English** (for USA): 22.00–05.00.
109) **R. XEOB**, Acuña Norte con Narciso Mendoza, Torreón. Rel. XEQ.

★ NETHERLANDS ANTILLES ★

L.T.: GMT÷4½ h. – L.: Dutch, Papiemento. – Rcvrs.: 15.000.

CURACAO

CUROM (Comm. with governmental subsidy)
ADDR.: P.O. Box 31, Willemstad, Curaçao. – Cable: Curaver. – L.P.: Pres. C. G. Grootens. Mgr.: A. Cloo. Dir. Adm.: Mrs. T. Elmondalek.
HOME SERVICE: **Julianazander.** PCJ-2 865 kc/s 346.8 m 10 kW. 11.00–18.00, 21.00–03.30. Sun. 13.30–17.30, 20.30–03.30. – N.: Dutch: 11.30, 17.00, 22.50, 03.25. **Papiamento:** 22.15.
ANN.: **Dutch:** "U luistert naar de Curom te Willemstad op Curaçao." **Papiamento:** "Aki ta Curom, emisora Juliana na Corsouw." – INT.-SIG.: Movements from "Piet Hein-rhapsody" (Dutch trad.) – V. by QSL-card.

RADIO HOYER (Comm.) – ADDR.: Julianaplein No. 21, Willemstad. – Cable: Radioyer. – L.P.: Dir. Gen. H. E. Hoyer. Mgr. E. Hernandez. Dir. Prgr.: Mrs. M. Hart. Dir. Adm.: Miss M. Halabi. Dir. Foreign Rel.: T. Koetsier. Dir. Tec.: S. Gilmoore. Dir. Press, Inf.: Miss. St. Priest.
HOME SERVICE: PJC7-1 1010 kc/s 297 m 1 kW 09.30–04.30.
PJC7-2 1500 – 200 m 1 – 21.30–04.30.
Dutch: 22.30, **Papiamento:** 23.30, **Sp.:** 00.30, **Dutch:** 01.00, **English:** 02.30. – ANN.: E.: The first 3 bars of Curaçao's anthem followed by: "This is Station PJC7R. Hoyer, transmitting on 297 m, equivalent to 1010 kc/s on your radio dial. – V. by QSL-card. – PUB.: Fortnightly Mensajero R. Hoyer, R. Hoyer Bode.

RADIO CARIBE (Comm.)
ADDR.: Niewestraat 22 B, Willemstad. – L.P.: O. Carl Heiligger. 1295 kc/s 236.5 m 0.25 kW. W. 11.30–04.30, Sun. 13.30–17.30, 22.30–03.00.

ARUBA

RADIO KELKBOOM (Comm.)
ADDR.: Emmastraat, P. O. Box 9. Oranjestad. – L.P.: Mgr.: C. A. Kelkboom. Dir. Tec.: J. M. Kelkboom.
HOME SERVICE in Papiamento, Dutch, English, Spanish:
PJA5 1435 kc/s 209 m 1 kW. W.: 16.00–18.00, 20.30–02.30. Sun. 13.30–18.00, 20.30–03.00. – N.: **Dutch** D: 16.55, 00.15, **Papiamento:** 23.30, **English:** 01.25. – V. by QSL-card.

VOICE OF ARUBA, (Comm.)
ADDR.: Korteweg No. 4, Oranjestad.
L.P.: Pres. Dir. Gen: A. M. Arends jr., Mgr. Dir. Adm.: A. Arends. Dir. Prgr.: H, van den Berg. Dir. Tec.: D. Odor.
HOME SCE.: PJA 10 655 kc 457 m 1 kW: 10.30–02.30.
English: Fri. 13.30–14.30; D. 10.45, 23,00. – **Dutch:** Mo. 13.30–14.30; D. 16.45. – **Spanish:** Mo. 00.00-01.00, Fri. 02.00–02.30. – ANN.: "You are tuned to Station PJA10 – The Voice of Aruba." – **Opening Sig.:** "The Wilhelmus and the Lord's Prayer". **Closing Sig.:** "The Wilhelmus". – INT.-SIG.: 4 strokes on a 4 metal bar percussion instrument. – V. by QSL-card or letter.

★ NICARAGUA ★

L.T.: GMT÷6 h. – L.: Spanish. – Rcvrs: 30.000. – All st. comm.

JEFATURA DE RADIO G. N. Y NACIONAL. Apt. No. 209, Managua.
STATIONS: Short Waves:

Call	kc/s	m	kW	Call	kc/s	m	kW
1) YNRC	5810	51.64	0.25	9) YNWA*	6140	48.86	0.4
2) YNWW	5965	50.29	0.5	10) YNVP	6185	48.50	0.5
3) YNDG	5995	50.04	1.0	11) YNUW	6190	48.47	0.25
4) YNBH	6000	50.00	0.3	12) YNWN	7312	41.03	0.15
5) YNLU	6040	49.67	0.5	13) YNRM	7602	39.47	0.5
6) YNOW	6055	49.55	0.6	14) YNMS	7660	39.16	0.25
7) YNEQ	6065	49.46	0.4	15) YNCA	7753	38.69	0.15
8) YNOG	6075	49.38	0.45	16) YNBX	7890	38.02	0.1

Medium Waves.

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
17)YNHP	575	1	23)YNSM	900	0.4	26)YNBB	1150	0.4
18)YNRD	590	3	9)YNW	930	10	11)YNUW	1200	0.1
6)YNXW	650	1	5)YNLU	965	1.7	4)YNBH	1230	1
19)YNSC	700	1	23a)YNOP	980	0.25	27)YNCW	1240	0.5
20)YNX	750	3	10)YNVK	1000	3	28)YNWX	1270	2.5
16)YNBX	775	1	24)YNLL	1050	0.25	29)YNRA	1300	0.37
21)YNR	800	1	25)YNTW	1070	0.187	30)YNXZ	1320	0.2
22)YNMV	850	10	13YNRM	1090	0.25	6)YNKW	1340	2.7
			7)YNEQ	1100	0.75	31)YNGF	1360	0.25
			28)YNWS	1130	0.75	32)YNAS	1560	0.25

Hours of tr.: 12.00–05.00, exc. where indicated.
1) **R. Cultural,** Managua. – L.P.: Dir. Fco. C. Martinez.
2) **R. Sport,** Granada. – L.P.: Dir. M. A. Valle.
3) **R. Colonial,** Leon. – L.P.: Dir. D. E. Gallo.
4) **R. Panamericana,** Managua. – L.P.: Dir. E. de Rivas. – INT.-SIG.: Xylophone. – V. by letter. – ANN.: "Aqui Radio Panamaricana en Managua, Nicaragua, C. America."
5) **R. Managua,** Managua. – L.P.: Dir. Gen.: L. F. Hidalgo. Dir. Adm: L. de Alvarez. Dir. Prgr.: D. Baez. Dir. Tec.: R. Jimenez. – D. PRGR.: 12.00–06.00.
6) **La Voz de la America Central,** Calle Noreste No. 607, Managua. – L.P.: Dir. J. Mendoza O.
7) **La Voz de la Victoria,** Apt. 338, Managua. – L.P.: Dir. A. Solis H.
8) **R. America,** Leon. – L.P.: Dir. G. P. Torres.
9) **R. Mundial** Managua. – L.P.: (as 2).
10) **La Voz de Nicaragua,** Garcia y Cia, Managua. – YNVK-R. Mil, Managua.
11) **R. Dario,** Leon. – L.P.: Dir. J. Toruño C.
12) **R. Granada,** Granada. – L.P.: Dir. N. W. Navas.
13) **R. Musun,** Matagalpa. – L.P.: P. A. Lugo.
14) **R. Philips.** Apt. Postal No. 27, León. – L.P.: Dir. Gen.: M. A. Solis Jr. Dir. Prgr.: L. S. Mayorga. Dir. Adm.: L. E. Ruiz. Dir. Tec.: O. J. Reyes. Dir. Inf.: J. T. Pereyra. Dir. Foreign Rel.: O. Zapata R. – D. PRGR.: 13.00–05.00. – Nat. Music: 13.00–13.30, 02.30–03.00. – N.: 13.30. – V. by letter. – F.PL.: New. sw. st.
15) **R. Atlantico,** Bluefields. – L.P.: Dir. R. Tijerino S. – D.PRGR.: 16.00–20.00, 23.00–04.00 in **Spanish, English.**
16) **R. Oriental,** Granada. – L.P.: Dir. J. Mena P.
17) **R. Minerva,** Masaya. – L.P.: Dir. H. Porta C.
18) **R. Deportes,** Managua. – L.P.: Dir. F. A. Valle.
19) **R. Centauro,** Managua. – L.P.: Dir. S. Cardenal.
20) **Estacion X,** No. 1606, Managua. – L.P.: O. F. Rodriguez y Cia.
21) **R. Reloj,** Managua. – L.P.: Dir. R. Arana S.
22) **R. Continental,** Ave Este 1200, Managua. – L.P.: Dir. M. V. Quintero.
23) **R. Centroamerica,** F. Perez y Cia, Managua.
23a) **Emisora Cultural Carazo,** Diriamba. – L.P.: Dir. A. O. Palacio.
24) **R. Masaya,** Masaya. – L.P.: Dir. L. C. Lacayo.
25) **R. Centro,** Granada. – L.P.: Dir. G. Munguia.
26) **La Voz de la Segovia,** Esteli. – L.P.: Dir. J. K. Barrantes C.
27) **R. Occidental,** Chinandega. – L.P.: Dir. J. E. Castillo C.
28) **R. Atenas,** León. – L.P.: Dir. N. Icaza.
29) **La Voz de Chinandega,** Chinandega. – L.P.: Dir. A. Rivas C.
30) **R. Cocibolca,** Granada. – L.P.: Dir. O. O. Lejarza.
31) **R. Diriamba,** Diriamba. – L.P.: Dir. R. G. Fernandez.
32) **Ondas del Xolotlán,** Managua. – L.P.: Dir. A. C. Wasmer.

★ PANAMA ★

L.T.: GMT ÷ 5 h. – L.: Spanish. – Rcvrs.: 320.000.

GOVT. DEPT. JURISDICTION: RADIO BROADCASTING IN PANAMA.
ADDR.: Direccion de Correos y Telecomunicaciones, Ministerio de Gobierno y Justicia, Panamá,: – Cable: "Dirigentel". – L.P.: Chief. Eng. Telecomunicaciones: Dr. R. D. Prescott.
Comm. exc. HOXO (religious), ACA20/ACB20 (military).
STATIONS: Daily Prgr.: 11.00–04.00 (exc. where indicated).

Short Waves:	kc/s	m	kW		kc/s	m	kW
1) HOL21	5960	50.34	0.5	8) HP5H	6122	49.00	0.5
2) HO5O	5995	50.04	1	9) HOQQ	6140	48.86	0.5
3) HP5K	6005	49.96	1	10) HP5G	6175	48.58	0.3
4) HP5B	6030	49.75	0.25	11) HOLA	9505	31.56	0.25
5) HOU31	6045	49.63	1	12) HP5J	9607	31.23	0.25
6) HORT	6060	49.50	0.5	13) HOJA	9645	31.10	0.3
7) HOO	6090	49.26	0.3	14) HOH7	9685	30.98	5.5
				14a)HPS62	11895	25.22	0.3

M. Waves	kc/s	kW	Call	kc/s	kW
15) HOH2	560	0.5	32) HOC21	1115	1
16) HOH3	580	1	22) HOF4	1120	1
14) HOHM	610	10	13) HOJ	1130	0.4
17) HOK	640	0.25	33) HONZ	1170	0.25
18) HOH4	660	1	34) HOO38	1180	0.2
1) HOLY	670	1	35) HOE91	1210	4
19) HOF32	680	0.3	36) HOW	1230	0.1
10) HOA	700	1	9) HOQ	1250	0.25
4) HP5C	730	1	37) HOJ22	1265	0.15
20) HOXO	760	5	38) HOJU	1280	0.25
21) ACA20	790	5	30) HOS23	1295	0.5
22) HOF33	810	1	11) HOK3	1310	0.3
23) HOG	840	0.3	39) HOM92	1330	0.25
24) HOHO	870	0.3	40) HOOC	1370	0.8
25) HOR34	890	1	12) HP6J	1380	0.25
8) HOHA	900	0.25	11) HOL	1390	0.25
26) HOX	940	0.5	41) HOHS	1400	0.7
22) HOF	965	1	6) HORS	1410	0.5
27) HOR59	990	0.5	21) ABC20	1420	1
28) HOU44	1015	1	42) HOC	1440	0.25
22) HOF2	1020	0.5	43) HOD42	1460	0.13
5) HOU	1025	1	7) HOOH	1470	1
29) HOU23	1030	0.3	3) HON	1500	0.25
30) HOS22	1035	0.3	44) HOM56	1520	0.25
31) HOJ2	1040	0.4	13) HOJ52	1560	0.1
12) HPM21	1060	0.5	45) HOE35	1570	0.1
23) HOG2	1090	0.25			

FM.	mc/s	kW		mc/s	kW
6) HORT2	30.5	0.025	28) HOU44	92.0	0.01
4) HP5C	30.84	0.03			
1) HOLY	37.9	0.05	27) HOR59	93.4	0.025
2) HOH49	49.9	0.06	22) HOH88	98.0	10
5) HOH87	88.0	30	2) HOH86	100.0	30
22) HOF87	90.9	30	46) HON31	101.0	0.05

1) **R. Hogar,** Apt. Postal 1979, Panama City. – **Cable:** "Hogarradio". – **L.P.:** Dir. Gen.: Rev. Padre M. de Maguregui. Mgr.: L.C. de la Guardia. Dir. Tec.: F. Lamparero. Dir. Prgr.: D. Avilés. – **D. PRGR.:** 11.00–03.00. – **N.:** 12.30, 18.45, 20.00, 21.00, 01.00. – **Mbg.:** 11.00, 23.15. – **Italian:** 00.00–00.30. – **ANN.:** Every h.: "Transmite R. Hogar. HOLY 670 kc/s onda larga y HOL21, 5960 kc onda corta en la banda internacional de 49 metros. R. Hogar es la emisora de la cultura, la preferida del oyente culto. Tratamos de fomentar y servir la aficion y el deseo de miles de radioeschuchas que ansian para sus ratos de solaz una musica amena y alevada. Ayudenos con su entusiasmo y cooperación, sintonice R. Hogar. Haga Ud. posible nuestro noble prepósito." – **V.** by QSL-card. – **F.PL.:** 2 m.w. David, Colón.
2) **R. Programas Continental** (inactive).
3) **La Voz de la Victor,** Union Radio S.A., Apt. 33, Colón. – **L.P.:** Owner: J. Jaén y Jaén: 11.00–04.00.
4) **R. Miramar,** Apt. 1214, Panama. – **L.P.:** Pres.: E. de la Guardia. – Mgr.: L. E. S. Galán. Dir. Prgr.: C. Contreras. Dir. Tec.: R. T. Noguera.: 11.00–04.00. – **V.** by QSL-card. – **F.PL.:** Relay sts.
5) **La Voz del Baru,** Apt. 160, David. – **L.P.:** O.: Srs. Samudio, Esquivel, Tribaldos: 11.00–03.00.
6) **R. Balboa,** Apt. 1723, Panama. – **L.P.:** O.:D. A. Porras: 11.00–02.00.
7) **R. Independiente,** Apt. 455, Panama. – **L.P.:** A. Sosa M. – 21.00–05.00.
8) **La Voz del Pueblo,** Apt. 1045, Panama. – **L.P.:** O.: M. L. Vega: 20.00–03.00.
9) **R. Nacional,** Apt. 652, Panama. – **Cable:** Radional. – **L.P.:** O.: De Mena Hnos: 12.00–23.00. – **V.** by QSL-card.
10) **R. Panamaricana,** Apt. 3145, Panama. – **L.P.:** O.:G. Arias.
11) **R. Atlantico, HOK3 – La Onda de la Alegria,** Apt. 444, Colón. – **Cable:** "Hola". – **L.P.:** A. Galindo. HOLA/HOL: 15.00–01.00; HOK3 11.00–04.00.
12) **La Voz de Panama, HPM21 – La Voz de Ancon,** Apt. 867, Panama. –**L.P.:** Dir.: Gen. V. Julio. – Mgr.: M.D. Doce. Dir. Prgr.: Dr. M. Diaz Jr. Dir. Tec.: F. Lamparero. Dir. Inf.: G. Gonzales. Dir. Foreign Relations: A. Davila: W. 11.30–03.00. Sun. 12.00–18.00. – **N.:** 11.30, 17.30, 00.00, 01.30.
13) **HOJA/HOJ: R. Provincias,** Apt. 826, Chitre – **HOJ52 – R. Provincias L. Santos – L.P.:** O.: F. Jolly.
14) **Circuito RPC.,** Apt. Postal 1795, Panama. – **Cable:** "Erepece." – 15) HOH2: Colon – 16) HOH3: Chitre – 18) HOH4: David. – **L.P.:** Dir. Gen.: F. Eleta A., Dir. Prgr.: A. Arbesu and A. Torres. Dir. Tec.: L. O'Meally. – **D. PRGR.:** W.: 11.00–05.00. Sun. 12.45–03.30. – **N.:** 11.45, 18.00, 23.30, 02.00, 03.30. – **ANN.:** "Transmite el CIRCUITO RPC a través de sus emisoras de onda larga HOHM, 610 kc/s en la ciudad de Panamá HOH2, 560 kc/s en Colón; HOH3, 580 kc/s en Chitré; y HOH4, 660 kc/s en David y su emisora de onda corta HOH7, 9685 kc/s, banda de 31 metros, República de Panamá." – **V.** by QSL-card.
14a) **La Voz de Veraguas,** Apt. Postal No. 21. Santiago de Veraguas. – **L.P.:** Dir. Gen.: H. Santacoloma. Dir. Press, Inf.: E. R. Medina. – **D. Prgr.:** 13.00–03.00. **Request Prgr.:** 13,00. 18.00, 00.00 – **V.** by letter.
17) **Cadena Panama de Radiod.** Apt. 33, Colón. – **L.P.:** as 3).
19) **R. Centenario,** Puerto Armuelles. – **L.P.:** O.: R. D. Gonzales.
20) **La Voz del Istmo,** Apt. 3269, Panama.
21) **Caribbean Network,** Fort Clayton, Canal Zone.
22) **Onda Popular,** Apt. Postal 1795, Panama. – **HOF33:** Chitré, **HOF 2:** Colón, **HOF4:** David. – **L.P.:** as 14) – **D. PRGR.:** W. 11.00–05.00. Sun. 11.00–03.30. – **N.:** 11.30, 17.30, 23.30. – **ANN.:** "Transmite ONDA POPULAR a través de sus emisoras de onda larga, HOF, 965 kc en Panamá HOF2, 1020 kc en Colón, HOF3, 810 kc en Chitré y HOF4, 1120 kc en David, República de Panamá." – **V.** by QSL-card.
23) **Estacion de la Comunidad,** Apt. 1121, Panama. HOG2: Colón.
24) **R. Musical,** Apt. 355, Panama. – **L.P.:** O.: J. E. Sitton.
25) **Ondas del Pacifico,** David. – **L.P.:** O.: R. S. Diaz.
26) **R. Bethania,** Apt. 1214, Panama. – **L.P.:** O.: E. de la Guardia.
27) **R. Cristal,** Apt. 4421, Panama. – **L.P.:** O.: J. Rodriquez.
28) **R. Reloj,** Apt. Postal 5124, Panama. – **L.P.:** Dir. Gen.: O. A. Mocci. Dir. Tec.: J. C. Harris. Asst. Dir.: B. P. de Mocci. – **D. PRGR.:** D. 24 h. (E.S.T. every 3 min.) – **V.** by QSL-card. – **F.PL.:** Increase 5 kW 1958).
29) **R. Metropolitana,** Penonome. – **L.P.:** O.: A. O. de Rodriguez.
30) **R. Mia,** Apt. 5117, Panama. – **L.P.:** O.: R. V. Perez.
31) **Ondas del Canajagua,** Las Tablas. – **L.P.:** O.: F. Joly.
32) **Circuito Radio Centro,** Panama. – **L.P.:** O.: G. G. Aleman.
33) **Ondas Istmeñas,** Apt. 3237, Panama. – **L.P.:** O.: N. Zurita.
34) **Circ. de Ondas Chiricanas,** Concepcion. – **L.P.:** O.: E. Calvo.
35) **R. El Mundo,** Apt. 1566, Panama. – **L.P.:** O.: M. P. de Valdés.
36) **R. Panamericana,** Colón. – **L.P.:** as 10).
37) **La Voz de America,** Chorrera. – **L.P.:** O.: A. Arjona & Cia.
38) **La Voz del Vigia,** Aguadulce. – **L.P.:** O.: J. Perez Jr.
39) **R. Noticias,** Panama. **L.P.:** O.: V. F. Goytia.
40) **Ondas Chiricanas,** David. – **L.P.:** O.: as 34).
41) **Ondas Centrales,** Santiago: – **L.P.:** as 14a). – **D. Prgr.** as 14a).
42) **Circuito Radio Centro,** Panama. – **L.P.:** as 43).
43) **La Voz de Almirante,** Almirante, Bocas del Toro. – **L.P.:** O.: N. Dosman & A. Bodkin: 21.00–03.00. **Spanish, English.**
44) **R. Cultura,** David. – **L.P.:** O.: F. M. Luna.
45) **La Voz del Tropico,** Colón. – **L.P.:** L. Ortiz & Cia.
46) **HON31 – R. Aeropuerto,** Aeropuerto Nacional de Tocumen, Panama. – **L.P.:** O.: R. F. Domenech.

★ PUERTO RICO (U. S. Territory) ★

L.T.: GMT ÷ 4 h. – **L.:** Spanish. – **Revrs.:** 200.000.
Comm. exc. WIPR, WIVV. – St. allowed to operate as many hours as they wish. H. of tr. approx.: 09.00 or 10.00 to 02.00 or 03.00.

kc/s	Call	kW		kc/s	Call	kW		kc/s	Call	kW
1) 550	WPAB	5/1	10)	940	WIPR	10	19)	1300	WTIL	1
2) 580	WKAQ	5	11)	990	WPRA	10	20)	1320	WRIO	5/1
3) 600	WAEL	1	12)	1070	WMIA	0.5	21)	1340	WGRF	0.25
4) 680	WAPA	10	13)	1110	WVJP	0.25	22)	1370	WIVV	0.25
5) 710	WKJB	1/0.5	14)	1140	WITA	0.5	23)	1400	WHOA	0.25
6) 740	WIAC	10	15)	1150	WORA	1.00[1]	24)	1450	WNEL	0.25
7) 810	WKVM	25	16)	1170	WLEO	0.25	25)	1490	WMDD	0.25
8) 850	WBBA	0.5	17)	1260	WISO	1	26)	1520	WWWW	0.25
9) 910	WPRP	5[1]	18)	1280	WCMN	1	27)	1560	WENA	0.25
							28)	1590	WXRF	1

1) FM
1) **P. R. American Broadc. Co.,** P.O. Box 786, Ponce.
2) **El Mundo Broadc. Corp.,** Box 9007, S. Juan.
3) **R. WAEL,** Box 644, Mayaguez*).
4) **R. WAPA,** Box 4563, S. Juan. **L.P.:** Dir. Tec.: J. Arzuaga.
5) **R. WKJB,** Box 1293, Mayaguez. – **L.P.:** Dir. Gen.: J. A. Bechara Jr.
6) **R. St. WIBS,** Box 4504, Santurce. – **L.P.:** Gen. Mgr.: T. Muniz.
7) **American Colonial Broadc. Corp.,** Box 4189, S. Juan.
8) **R. WBBA,** Box 188, Aguadilla. – **L.P.:** Gen. Mgr.: F. B. Velez.
9) **Voice of P. R.,** Box 430, Ponce. – **L.P.:** Gen. Mgr.: R. de Arellano.
10) **Dept. of Education,** Box 4187, S. Juan. – **L.P.:** Gen. Mgr.: E.C. de Ramos.
11) **WPRA Inc.,** Box 869, Mayaguez. – **L.P.:** Gen. Mgr.: F. Arrivi.
12) **Abacoa Radio Corp.,** Box 126, Arecibo**).
13) **Borinquen Broadc. Corp.,** Box 207, Caguas.
14) **Electronic Enterprises Inc.,** Box 2092, S. Juan.
15) **Radio Americas Corp.,** Box 43, Mayaguez. – **L.P.:** Mgr.: R.M. Dupont.
16) **Poncé Broadc. Corp.,** Box 2470, Poncé. – **L.P.:** Gen. Mgr.: C.L. Condero.
17) **South P. R. Broadc. Corp.,** Box 2023, Poncé.
18) **Caribbean Broadc. Corp.,** Box 755, Arecibo.
19) **Mayaguez Radio Corp.,** Box 1346, Mayaguez.
20) **Master Broadc. Corp.,** Box 335, Rio Piedras.
21) **Jaico Broadc. Corp.,** Box 863, Aguadilla. – **L.P.:** Pres. G.R. Ferreri.
22) **Calvery Baptist Mission of P.R.,** Box 338, Vieques.
23) **Continental Broadc. Corp.,** Box 4938, S. Juan, Rio Piedras.
24) **Inter American Radio Corp.,** Box 114, Caguas.
25) **WMDD Inc.,** Box 187, Fajardo. – **L.P.:** Gen. Mgr.: A. R. Camunas.
26) **R. St. WWWW,** Box 935, Rio Piedras. – **L.P.:** Gen. Mgr.: F.A. Gandia.
27) **Bayamon Broadc. Corp.,** Box 157, Bayamon. – **L.P.:** Gen. Mgr.: D. Atiles.
28) **Guyama Broadc. Co.,** Box 615, Guyama. – **V.** by QSL-card.
AFRS (U.S. Military): ARD 780 kc/s 0.8 kW Ramey (Air)[1]). – ACP 1470 kc/s 0.05 kW San Juan (Army). – AFRS 1470 kc/s 0.05 kW Camp Bundy (Army).
[1]) Ramey Air Force Base, Puerto Rico, 72nd Bomb Wing, APO 845, New York, N.Y. USA.

★ TRINIDAD (British) ★

L.T.: GMT ÷ 4 h. – **L.:** English. – **Revrs.:** 26.000.
TRINIDAD BROADCASTING COMPANY LTD. (Comm.)
ADDR.: Broadcasting House, 11B Maraval Rd., Port-of-Spain. – **Cable:** "Broadcast". – **L.P.:** Man. Dir.: K.T. Murray. Dir. Tec.: A. R. Aldridge. Mgr.: J.M. Laing. Dir. Prgr.: E.M. Watson.
HOME SERVICE: "R. Trinidad", VP4RD: 10.00–23.00 (6085 kc/s 22.00).
730 kc/s 410 m 20 kW – 3275 kc/s 91.60 m 0.5 kW
6085 – 49.30 – 0.5 –
N.: 10.45*), 11.00 (BBC), 12.00*), 13.00 (BBC), 16.00 (BBC), 16.30*), 20.00 (BBC), 23.45*), 02.00 (BBC) *)=wrp.
Request Prgr.: 12.15 (W), 02.20 (W). – Prgrd. rel. by Rediffusion (Trinidad) Ltd.

ANN.: "This is Radio Trinidad and the Golden Network 2-Prgr. Rediffusion. – V. by QSL-card. R.p.
AFRS: U.S. Naval Base, Chlaguaramas. Addr.: Navy 117, F.P.O. New York, USA. Mgr.: A. Affolter. – ST.: WVDI 600 kc/s 0.05 kW (Navy): 10.00 (Sun. 13.30)–03.00. – V. by letter.

★ VIRGIN ISLANDS (American) ★

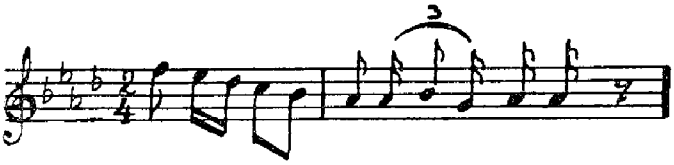
L.T.: GMT ÷ 4 h. – L.: English. – Rcvrs.: 15.000.
WIVI 1230 kc/s 0.25 kW Christiansted (St. Croix) (not yet in operation) – WSTA 1340 kc/s 0.25 kW Charlotte Amalie (St.Thomas).

★ WINDWARD ISLANDS (British) ★

L.T.: GMT ÷ 4 h. – L.: English. – Rcvrs.: 3000.
WINDWARD ISLANDS BROADCASTING SERVICE (Go.)
ADDR.: St. George's, Grenada, B.W.I. – Cable: "Broadcast's". – L.P.: Mgr., Prgr. Dir.: A.C.G.Palmer M.B.E. Dir. Tec.: R.A.Smith.
HOME SERVICE

kc/s	m	kW		kc/s	m	kW	
1040	288.9	0.25	D. 21.00–02.15	5010	59.88	5	D. 21.00–22.30
3365	89.15	5	D. 22.30–02.15	9550	31.41	5	13.00–20.00*)

*) Schoolbroadc. Tues., Thurs. 13.15–14.00. – In addition, when special transm. are scheduled to cover special events during daytime, the following freq. sched. applies: 5010 kc/s: 10.00–13.00, 20.00–21.00. 9550 kc/s: 13.00–20.00.
N. (BBC): 23.00, 02.00. – Local N.: 23.45, 01.15 Mo., Wed., Fri. – Nat. Music: Wed. 01.30. Sat. 01.00.
ANN.: "This is the Windward Islands Broadcasting Service. – INT.-SIG.: A typical calypso phrase played on the "ping-pong" an indigeneous instrument made from the top of a steel drum. – V. by QSL-card.



★ ARGENTINA ★

L.T.: GMT ÷ 3 h. – L.: Spanish. – Rcvrs.: 3.000.000.
LRA – RADIO NACIONAL (Go.)
ADDR.: Servicio Oficial de Radiodifusion, Ayacucho 1556, Buenos Aires. – L.P.: Dir. Gen. of Broadc.: Dr. A.P.Larraya. Asst. Dir. Gen.: L.A.Quesada. Chiéf of R. Nacional: J.M.Serrano. Dir. Adm.: S.S.Guillani.
Short Waves:

	kc/s	m	kW		kc/s	m	kW
1. LRA1	6062	49.49	16¹)	LRA	9690	30.96	100
2. LRA	6180	48.54	10¹)	LRA	15345	19.55	100

M.W.	kc/s	kW	City	M.W.	kc/s	kW	City
LRA	670	20/10	Santa Rosa	LRA	780	20/10	Rosario
LRA	690	1	Salta	LRA	870	10	B.Aires
1) LRA	710	50	B.Aires	2) LRA	970	5	Mendoza

FM: LRA 92 mc/s 3 kW Buenos Aires
HOME SCE. in Spanish: 11.00–03.00 on 710/870/970/6062/6180 kc/s; 13.00–21.00 on 15345 kc/s; 21.00–21.30 ,22.30–03.00 on 9690 kc/s. N.: Mo.-Fri.: 11.00, 16.05, 20.00, 00.05, 02.00. Sat.: 11.00, 16.00, 20.00, 00.23. Sun.: 11.00, 16.30, 20.00, 00.00.
FOREIGN SCE. on 9690 kc/s: 21.30–22.30 (Mo.-Fri.) in Sp., E., F., G., P., I. (for So.Am., Eu.). 04.00–05.00 (Tues.-Sat.): E., Sp. (for No., C., So.Am).
N. in English: 04.00, 04.25. – N. in Spanish: 04.30, 04.55.
ANN.: Foreign Sce.: Spanish: "Desde Buenos Aires trasmite el Servicio Informativo Argentino Internacional, por LRA Radio Nacional, en su frecuencia de 9690 kc/s, banda de 30.95 metros. Estas trasmisiones se realizan de lunes a viernes en: castellano, inglés, portugués, francés, italiano y alemán. – English: "This is the Argentine Overseas Service calling from Buenos Aires to the English-speaking world, broadcasting on 9690 kc on the 30.95 metre band of the International Service. This bulletin is broadcast from Mo.-Fri. in Spanish, English, Portuguese, French, Italian and German". – French: "De Buenos Aires, le Service Argentin d'Information diffuse son Bulletin Internacional, sur l'antenne de Radio Nacional – 30 metres 95 – 9690 kc/s. – Cette émission a lieu tous les jours excepté le samedi et le dimanche, successivement en espagnol, en anglais, en portugais, en français, en italien et en allemand. Ici Buenos Aires". – German: "Wir senden den argentinischen Informationsdienst aus Buenos Aires, den der argentinische Staatssender LRA, in den Frequenzen von 9690 kHz auf Wellenlänge von 30.95 Metern überträgt. Diese Sendung findet täglich, von Montag bis Freitag, in spanischer, englischer, portugisischer, französischer, italienischer und deutscher Sprache statt".
INT.-SIG.: Home Sce.: Opens and close with Military Marches. Foreign Sce.: Opens and closes with the first three movements from the National Anthem. – V. by QSL-card. – F.PL.: New st. in Cordoba (750 kc/s) and 14 other cities.
CULTURAL STATIONS (Go.)

	kc/s	kW	
LS11	1270	30	R. Provincia de B. Aires, Calle 10 y Av. 53, La Plata.
LR11	1390	1,5	R. Universidad Nacional de La Plata, Plaza Rocha 133, La Plata.
LT10	1430	0.5	R.del Instituto Social de la Universidad, Nacional del Litoral, 9 de Julio y Pellegrini, Santa Fé.

PRIVATE COMM. STATIONS
RADIO EL MUNDO NETWORK
(Owned and operated by Empresa Editoral Hayns Ltd.).
ADDR.: Maipu 555, Buenos Aires. Cable: "Radiomundo".
HOME SCE: Key Station LR1: 10.00–04.30.
Short Waves: (relay LR1).
LRX1 6120 kc/s 49.02 m 10 kW: 13.00–03.00, 03.30–04.30
LRX 9660 – 31.06 – 7.5 – 10.00–04.30
LRU 15290 – 19.62 – 7.5/10 – : 10.00–11.00, 11.30–13.00

M. Waves	kc/s	kW		kc/s	kW		kc/s	kW
1) LR1	1070	50	7) LU6	910	1	13) LV5	1090	15
2) LV8	630	5	8) LV3	910	12	14) LU7	1150	15
3) LU4	640	1	9) LT15	630	5	15) LT3	1160	5
4) LW7	730	1	10) LW8	970	1	16) LR9	1190	4
5) LR6	750	25	11) LS10	1030	10	17) LV13	1250	3
6) LV7	820	2	12) LT5	1080	1.5	18) LT9	1260	5

1) **R. El Mundo**, Maipu 555, B. Aires.
2) **R. Libertador**, Entre Rios 73, Mendoza.
3) **R. Comodoro Rivadavia**, Mariano Moreno 765, C. Rivadavia.
4) **R. Catamarca**, Rivadavia 751, Catamarca.
5) **R. Mitre**, Arenales 1925, B. Aires. – D. Prgr.: 08.00–03.00.
6) **R. Tucuman**, Mendoza 273, San Miguel de Tucuman.
7) **R. Atlantica**, Rioja 1650, Mar del Plata.
8) **R. Cordoba**, S. Martin 74, Cordoba.
9) **R. Concordia**, La Rioja 622, Concordia.
10) **R. Jujuy**, Ramirea de Velazco 253, S. Salvador de Jujuy.
11) **R. Libertad**, Maipu 555, B. Aires.
12) **R. Chaco**, Av. 9 de Julio s/no, Resistencia.
13) **R. Los Andes**, Mendoza 656, San Juan.
14) **R. Gral. San Martin**. Alsina 247, Bahia Blanca.
15) **R. Cerealista**, Balcarce 840, Rosario.
16) **R. Antartida**, Arenales 1925, B. Aires.
17) **R. San Luis**, Rivadavia 563, S. Luis.
18) **R. Santa Fé**, Rivadavia 2849, Santa Fé.

FOREIGN SCE.: English and Spanish: D. 03.00–03.30 on 6120/9660 kc/s, 11.00–11.30 on 15290 kc/s (repeat). – ANN.: "LR1 Radio El Mundo de Buenos Aires con su Red Azul y Blanca de Emisoras Argentina." – V. by QSL-card or letter.
RADIO SPLENDID NETWORK (S. A. La Razon Editorial, Emisora, Financiera y Comercial).
ADDR.: Uruguay 1237, Buenos Aires. – HOME SCE: Key station LR4: 09.45–04.00.
Short Waves: (relay LR4)
LRS2 5985 kc/s 50.13 m 1 kW: 15.20–17.00, 22.54–01.04
LRS1 9743 – 30.79 – 10 – : 15.20–17.00, 22.54–01.04
LRS 11880 – 25.25 – 20 – : 09.45–04.00.

M. Waves	kc/s	kW		Call	kc/s	kW		Call	kc/s	kW
1) LR4	830	50	7)	LV4	690	0.5	13)	LW3	1190	4
2) LS4	590	10	8)	LW1	790	15	14)	LT6	1200	1
3) LU8	590	1	9)	LR5	990	25	15)	LU3	1240	10
4) LV15	640	1	10)	LT4	1010	1	16)	LT11	1300	1.5
5) LV6	680	10	11)	LT2	1020	15	17)	LU13	1300	1
6) LU12	680	1	12)	LU5	1130	1	18)	LT16	1370	1

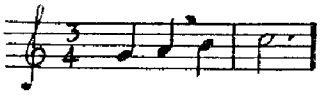
1) **R. Splendid**, Uruguay 1237, B. Aires.
2) **R. Porteña**, Rivadavia 827, B. Aires.
3) **R. Bariloche**, Bariloche.
4) **R. Mercedes**, Balcarce 470, Villa Mercedes.
5) **R. Splendid**, Rioja 1239, Mendoza.
6) **R. Rio Gallegos**, Av. San Martin y Zapiola, Rio Gallegos.
7) **R. San Rafael**, Inigoyen y Francia, San Rafael.
8) **R. Splendid**, Rivera Indarte 170, Cordoba.
9) **R. Excelsior**, Rivadavia 829, B. Aires.
10) **R. Splendid**, 3 de Febrero 415, Posadas.
11) **R. Splendid**, Santa Fé, 1388, Rosario.
12) **R. Splendid**, Juan B. Alberdi 189, Neuquen.
13) **R. Splendid**, Mendoza 225. S. Miguel de Tucuman.

14) **R. Splendid**, Mariano J. Lloza 231, Goya.
15) **R. Splendid**, Belgrano 29, Bahia Blanca.
16) **R. Splendid**, Onésimo Leguizamón, Concepcion del Uruguay.
17) **R. Splendid**, Belgrano 62-3222, Necochea.
18) **R. Splendid**, Justo J. de Urquiza 585, Presidencia Roque Saenz Peña.
ANN.: "LR4 Radio Splendid, Buenos Aires, con sus ondas cortas. LRS, LRS1 y LRS2 y la Red Argentinas de Emisoras Splendid." – V. by letter.

RADIO BELGRANO NETWORK
ADDR.: Ayacucho 2075, B. Aires. – HOME SCE: Key station LR3: 09.45–04.15.
Short Waves: Relay LR3 09.45–03.00.
LRY1 6090 kc/s 49.26 m 40 kW – LRY 9760 kc/s 30.74 m 40 kW.

M. Waves:	kc/s	kW		Call	kc/s	kW		Call	kc/s	kW
1)	LR3	950	50	7) LV2	960	10	13)	LV10	1210	2.5
2)	LV12	580	10	8) LV16	1010	1	14)	LT14	1320	5
3)	LS5	620	3	9) LR2	1110	15	15)	LV14	1330	1
4)	LU9	790	1	10) LV9	1130	5	16)	LT7	1340	1
5)	LT8	840	5	11) LV11	1170	2	17)	LS6	1350	3
6)	LU2	900	5	12) LU10	1200	3	18)	LT12	1360	0.5

1) **R. Belgrano**, Ayacucho 2075, B. Aires.
2) **R. Independencia**, Rivadavia 118, Tucuman.
3) **R. Rivadavia**, Santa Fé 2043, B. Aires.
4) **R. Mar del Plata**, Moreno 2473, Mar del Plata.
5) **R. Rosario**, Cordoba 1825, Rosario.
6) **R. Bahia Blanca**, Donado 25, Bahia Blanca.
7) **La Voz de la Libertad**, Maipu 166, Cordoba.
8) **R. Ranquel**, Colon 78, Rio Cuarto, Cordoba.
9) **R. Argentina**, Santa Fé 2043, B. Aires.
10) **R. General Guemes**, Dean Fuens 28, Salta.
11) **R. del Norte**, Libertad 251 (Altos), Santiago del Estero.
12) **R. Azul**, Av. Mitre 819, Azul.
13) **R. de Cuyo**, Lavalle 283, Mendoza.
14) **R. General Urquiza**, Rivadavia 64, Parana.
15) **R. La Rioja**, B. Aires 69, La Rioja.
16) **R. Provincia de Corrientes**, Ayacucho 2482, Corrientes.
17) **R. del Pueblo**, Santa Fé 2043, B. Aires.
18) **R. Gral. Madariaga**, Av. San Martin s/n, Paso de los Libres, Corrientes. – D. PRGR.: 10.55–03.00. – ANN.: "LR3 y LRY Radio Belgrano de Buenos Aires y la Primera Cadena Argentina de Radiodifusion" or "R. Belgrano de Buenos Aires – La Voz de Argentina". – INT.-SIG. 4 notes on vibraphone. – V. by QSL-card.



★ BOLIVIA ★

L.T.: GMT + 4 h. – L.: Spanish. – Rcvrs.: 250.000.
All st. comm., exc. **R. Illimani** (Go.), **R. La Cruz del Sur** (Religious).
Direccion General de Radiocomunicaciones, Dept. Radiodifusion, La Paz.
STATIONS: Short Waves: *) = inactive.

	Call	kc/s	m	kW		Call	kc/s	m	kW
1)	CP39	4855	61.79	0.25	7)	CP40	6160	48.70	1
2)	CP5	5975	50.21	0.25	8)	CP9	6185	48.50	0.45
3)	CP18	6070	49.42	0.25	9)	CP37	6190	48.47	0.25
4)	CP15	6125	48.98	0.35	10)	CP38	9444	31.77	1.2
5)	CP30	6135	48.90	0.5	2)	CP 6	9500	31.58	0.25
6)	CP12	6150	48.78	0.25	11)	CP21	9570	31.35	0.35

M. Waves	kc/s	kW		Call	kc/s	kW		Call	kc/s	kW
12)	CP55	620	0.25	18) CP25	930	0.25	25)	CP53	1350	0.07
13)	CP56	620	0.15	2) CP4	1020	0.25	26)	CP28	1350	0.25
14)	CP63	680	0.25	19) CP45	1090	0.03	27)	CP3	1390	0.25
15)	CP34	680	15	20) CP61	1090	0.1	28)	CP16	1390	0.1
10)	CP27	730	1.2	21) CP19	1145	0.3	29)	CP62	1390	0.1
16)	CP52	730	0.07	22) CP14	1250	0.25	30)	CP60	1420	0.25
17)	CP35	810	0.25	23) CP57	1250	0.15	31)	CP51	1420	0.25
4)	CP20	900	0.25	24) CP64	1250	0.25	32)	CP36	1420	0.08
8)	CP11	930	0.15	6) CP29	1350	0.08	33)	CP8	1470	0.25

1) **R. Cobija**, Centro de Acción Pandina: 23.00–03.00
2) **R. Illimani**, Emisora del Estado, La Paz.: 11.00–04.00.
3) **R. El Condor**, La Plata 1139, Oruro: 11.00–18.00, 22.00–04.00.
4) **R. El Condor**, Av. E. Camacho 41, La Paz: CP20 11.00–04.00; CP15 11.00–18.00, 22.00–04.00.
5) **R. Grigota**, Prefectura del Depart., Santa Cruz: 12.00–03.00.
6) **R. Fides**, Colegio San Calixto, Jenaro Sanjinés, La Paz: 11.00–13.00, 16.00–18.00, 22.00–03.00.
7) **Emisora "LAB"**, Lloyd Aereo Boliviano, Cochabamba: 10.00–24.00.
8) **R. Amauta**, Comercio 386, La Paz. – L.P.: Dir. J. S. Pérez. – D. PRGR.: CP11: 11.00–18.00, 20.00–04.00; CP9: 11.00–13.00, 23.00–04.00.
9) **R. Oruro**, Av. 6. de Octubre 762, Oruro: 12.00–13.00, 22.30–03.00.
10) **La Cruz del Sur**, (owned and operated by the Canadian Baptist Overseas Mission). Cajón 8, La Paz. – L.P.: Dir. R. Bonney. Dir. Prgr.: Miss M. Beard. Dir. Tec.: J. Mikaelsen. – D. Prgr.: W. (exc. Tues.) 11.00–12.30, 14.30–18.00, 22.00–02.30. Sun. 12.00–13.30, 16.00–21.30. N.: 12.00, 17.05, 24.00, 00.45 (Mo., Wed., Fri.). – Nat. Music: Thurs., Sat. 14.45. – English: 22.30–23.00. – ANN.: E.: "You are listening to CP27 and CP38, the Southern Cross Radio Station...". Sp.: "Esta es La Cruz del Sur, con un mensaje de paz en el eter." – INT.:SIG.: Opens and closes with "Onward Christian Soldiers".

V. by QSL-card. – PUB.: Prgr. sched. free on request.
11) **R. La Plata**", 25 de Mayo 41, Casilla 276, Sucre. – L.P.: Dir. G. Donoso. 12.30–14.00, 15.00–17.30, 21.00–22.30, 00.30–02.00.
12) **R. Universitaria**, Universidad Tecnica, 6 Octubre y Cochabamba, Oruro: 11.00–12.00 15.00–18.00, 23.00–24.00.
13) **La Voz de Minerva**, Comando Movimiento Nacionalista Revolucionario, Telemayu: 11.00–12.00, 15.00–17.30, 21.00–03.00.
14) **R. San Gabriel**, Fdo. Guachalla 35, La Paz. – L.P.: Dir. M. Mariknoll: 11.00–13.00, 21.00–01.00.
15) **R. Mariscal Santa Cruz**, Pasaje Bella Vista 212, La Paz: 12.15–13.00, 14.30–18.00, 22.00–02.30,
16) **R. Potosi**, Sucre 79, Potosi: 13.00–15.00, 16.00–20.00, 00.30–03.00.
17) **R. Altiplano**, Av. E. Camacho 62, La Paz: 12.00–05.00.
18) **R. Libertad**, Calvo 10, Sucre: 11.30–13.30, 18.00–20.00, 00.00–02.00. – V. by QSL-card.
19) **R. Cultura**, Baptista 66, Cochabamba. – L.P.: Dir. J. M. Martinez: 11.30–13.00, 15.00–18.00, 21.00–02.30.
20) **La Voz del Ferroviario**, Litoral s/n. Uynui 22.00–02.00.
21) **R. Aspiazu**, Indaburo 434, La Paz: 11.30–19.00, 21.00–03.30.
22) **Emisoras Bolivianas Unidas**, Av. E. Camacho 318, La Paz: 11.30–18.00, 20.30–03.00.
23) **R.9 de Abril**, Comando Movimiento Nacionalista Revolucionario Pulacayo (Dep. Potosi): 22.00–02.00.
24) **R. Chorolque**, Sindicato Trabajadores del Arte, Litoral s/n, Tupiza. (Dep. Potosi): 12.00–14.00, 16.00–18.00, 22.00–02.00.
25) **R. Indoamerica**, Hoyos 42, Potosi, L.P.: Dir. M. A. Careaga: 12.00–14.00, 15.30–18.00, 21.00–03.00.
26) **R. Cochabamba**, Federación de Ferroviarios, Nataniel Aguirre, 341, Cochabamba: 11.00–14.00, 16.00–21.00, 23.00–03.00.
27) **R. Bolivia**, Cap. Castrillo 176, La Paz. – L.P.: E. Costas y A. Salcedo: 12.00–14.00, 16.00–18.00, 23.00–03.00.
28) **R. Los Andes**, 15 de Abril 828, Tarija. – L.P.: Dir. E. Monje.
29) **La Voz del Minero**, Corp. Minera de Bolivia, Llallagua.
30) **R. Exelcior**, Sucre 657, La Paz. 11.30–18.00, 20.00–03.00.
31) **R.Loyola**, Colegio Sagrado Corazón, Junin 503, Sucre: 12.00-13.00, 16.00–18.00, 23.00–02.15.
32) **R. Mercurio**, Caro 560, Oruro: 11.00–15.00, 16.00–04.00.
33) **R. America**, Junin 660, La Paz: 11.00–14.00, 16.00–18.00, 22.00–04.00.

★ BRAZIL ★

L.T.: Eastern (Costal): GMT + 3 h. Western: GMT + 4 h. – L.: Portuguese.
STATIONS: Short Waves:

	Call	kc/s	m	kW		Call	kc/s	m	kW
1)	ZYV30	2340	128.2	0.5	25)	ZYV37	4835	62.05	0.5
2)	ZYJ3*	2420	124.0	0.5	26)	ZYU8	4845	61.92	1
3)	*	2440	122.9	0.5	27)	ZYR61	4855	61.79	1
4)	*	2450	122.5	0.5	28)	PRC5	4865	61.66	2.5
5)	ZYR99	2460	122.0	0.1	29)	ZYV50	4885	61.41	0.5
6)	ZYR60*	2480	121.0	0.5	30)	PRF6	4895	61.29	2.5
7)	ZYR62	3255	92.17	0.5	31)	ZYZ20	4905	61.16	5
8)	ZYK21	3265	91.87	1	32)	ZYE2	4915	61.04	1.5d
9)	ZYR31	3275	91.60	1	33)	ZYA36	4925	60.90	1
10)	ZYR89	3285	91.32	1	34)	ZYI21	4935	60.80	2
11)	ZYV29	3315	90.50	0.5	35)	PRF7*	4955	60.54	2
12)	ZYJ21	3325	90.23	1	36)	ZYP20	4965	60.42	1
13)	ZYR59	3335	89.95	0.5	37)	ZYV9	4975	60.30	2.5
14)	ZYN22	3345	89.68	1	38)	ZYZ5	4985	60.19	0.5
15)	*	3365	89.15	0.5	39)	ZYY2	4995	60.06	1
16)	ZYA41	3385	88.63	1	40)	PRH8*	5015	59.82	10
17)	ZYF23	4735	63.36	2	41)	ZYP23	5045	59.46	5
18)	ZYY3	4755	63.10	1/5	42)	ZYO23	5055	59.36	1
19)	ZYR81	4775	62.84	5	43)	ZYR76	5955	50.37	7.5
20)	ZYM8	4785	62.70	0.5	44)	ZYU60	5965	50.28	7.5
21)	ZYY20	4785	62.70	0.5	45)	PRK5	6000	50.00	5
22)	ZYS8	4805	62.43	1	46)	PRA8	6015	49.88	25
23)	ZYP33	4815	62.34	1	47)	ZYR63	6025	49.79	10
24)	ZYE7	4825	62.18	0.5	48)	ZYZ26	6035	49.71	10

	Call	kc/s	m	kW
49)	ZYS33*	6045	49.63	7.5
50)	PRB21	6055	49.55	7.5
51)	**	6065	49.50	7.5
52)	ZYK2	6085	49.30	16
53)	ZYB7	6095	49.22	25
54)	ZYN6	6105	49.14	5
55)	PRG9	6125	48.98	7.5
56)	PRC21	6135	48.90	7.5
57)	PRL9	6147	48.80	50
58)	ZYR58	6165	48.66	7.5
59)	ZYR77	6185	48.50	10
60)	PRD21	6195	48.43	25
61)	ZYC7*	6200	48.39	100
62)	PSL	7935	37.81	1.5
63)	PRN9	9290	32.28	5
64)	PRB22	9505	31.56	7.5
65)	ZYS43	9545	31.43	7.5
52)	ZYK3	9565	31.37	16
66)	ZYZ27	9575	31.33	
67)	ZYR56	9585	31.30	7.5/50
14)	ZYN29*	9595	31.27	1
61)	ZYZ8	9610	31.22	25
68)	ZYR96	9620	31.19	10
10)	ZYR83	9635	31.14	7.5
29)	ZYV40	9645	31.10	7.5
69)	*	9665	31.04	20
70)		9675	31.01	
43)	PRA6	9685	30.98	50
40)	ZYZ24	9705	30.91	10
57)	PRL8	9720	30.86	50
58)	ZYR57	9745	30.78	7.5
39)	ZYW23	9755	30.75	7.5
71)	PRL4	9770	30.70	10
62)	PSH	10220	29.35	1.5
57)	PRL8	11720	25.60	10
60)	PRD22*	11735	25.56	1
72)	ZYG3	11735	25.56	7.5
47)	ZYR65	11745	25.54	50
73)	ZYB8	11765	25.50	25
66)	ZYZ28	11775	25.48	
44)	ZYU61	11785	25.46	7.5
39)		11815	25.39	5
52)	ZYK32	11825	25.37	16
74)		11855	25.31	10
46)	PRA8	11865	25.28	25
75)	ZYN32	11870	25.27	
40)		11885	25.24	10
59)	ZYR78	11925	25.17	10
49)		11935	25.14	7.5
71)	PRL5	11950	25.10	7.5
62)	PSF	14610	20.53	1.5
51)	*	15105	19.86	10
75)	ZYN31	15125	19.83	
50)	PRB23	15135	19.82	7.5
52)	ZYK33	15145	19.81	16
53)	ZYB9	15155	19.80	25
54)	ZYN7	15165	19.78	5
45)	PRK9	15190	19.75	1
37)		15215	19.71	2.5
14)		15225	19.70	1
67)*		15265	19.66	7.5/50
57)		15295	19.61	10
43)		15325	19.58	20
76)		15335	19.56	
77)	ZYZ9	15370	19.52	25
60)	PRD23*	15415	19.46	1
78)	PRA7	15415	19.46	
68)	ZYR94	17705	16.94	10
58)	*	17815	16.84	10
57)	PRL9	17850	16.81	10
7)		17875	16.79	7.5

* inactive.
** under construction.

Medium Waves:

	Call	kc/s	m	kW
68)	ZYR98	540		10
16)	ZYZ22	550		50
79)	ZYM5	560		10/0.5
76)	PRH2	600		50
50)	PRH7	620		10/5
11)	ZYV29	630		1
80)	PRF9	640		10/0.5
81)	ZYJ22	640		1
67)	ZYR56	670		10
36)	ZYP20	680		5/1
56)	PRC2	680		10/5
17)	ZYF23	690		2
82)	PRC7	690		25/10
46)	PRA8	720		25
44)	ZYU58	720		10
27)	ZYA8	720		1
78)	PRA7	730		1/0.5
42)	ZYO21	730		0.25
75)	PRA4	740		50
62)	–	760		2
52)	PRL6	780		20
41)	ZYP30	780		1/0.25
83)	ZYS29	780		0.1
71)	PRA2	800		250
84)	ZYC3	820		0.25
13)	PRI5	820		0.25
85)	ZYD8	840		10/5
59)	PRH9	840		10/5
86)	PRA3	860		50
45)	PRI3	880		50
87)	ZYU33	880		10
8)	ZYK20	890		20
43)	PRA6	890		5
61)	PRB7	900		10/5
88)	ZYI23	900		10
74)	ZYS25	930		0.5
89)	PRF4	940		50
53)	PRF3	960		10/5
90)	ZYO6	960		10
57)	PRE8	980		50
8)	ZYK20	980		20
64)	PRB9	1000		50
14)	ZYN23	1010		0.25
91)	PRB3	1010		2
60)	PRD8	1030		10
73)	PRG2	1040		50
92)	PRD2	1060		10
93)	PRD7	1080		1
94)	ZYX7	1080		0.25
33)	ZYT9	1090		1/0.5
7)	PRI2	1090		1/0.5
55)	PRG9	1100		50
35)	PRF7	1110		5
95)	PRI4	1110		10
96)	ZYE20	1130		10
40)	PRH8	1150		10/5
97)	PRI9	1160		10
38)	PRH3	1160		1
98)	ZYR53	1160		0.1
48)	PRE3	1180		50
54)	PRE9	1200		10
99)	PRA5	1200		10/5
47)	PRB6	1200		10
65)	ZYZ9	1210		0.5
9)	PRG8	1210		1/0.5
66)	PRA9	1220		50
22)	ZYN26	1240		0.25
100)	ZYG2	1250		0.25
101)	ZYO20	1250		0.25
102)	PRJ2	1250		1
5)	ZYR41	1250		0.25
39)	ZYX9	1270		10
34)	ZYB5	1270		10
18)	ZYR39	1270		0.1
103)	ZYS23	1270		1
77)	PRG3	1280		50
104)	ZYR7	1300		10
58)	PRE4	1300		10/5
72)	ZYG3	1320		2
105)	PRH4	1320		0.5/1
4)	PRI8	1330		1/0.5
106)	ZYI5	1330		1
107)	PRH6	1340		25/5
29)	PRH5	1350		5
12)	ZYO7	1350		1
108)	ZYH25	1360		10
26)	ZYQ3	1370		1
6)	PRD4	1370		1/0.5
25)	PRE5	1390		1/0.5
18)	ZYR72	1390		0.25
109)	PRD5	1400		10/5
20)	ZYM8	1410		1
110)	ZYR47	1420		0.1
14)	ZYN20	1440		10
49)	PRB2	1440		20/10
28)	PRC5	1450		10
111)	ZYN2	1460		0.25
32)	ZYE2	1460		0.25
1)	PRC6	1470		1/0.5
24)	PRJ4	1470		0.5
2)	ZYJ3	1480		0.5
23)	PRD3	1480		5
31)	ZYZ21	1490		1
37)	PRJ9	1490		5
3)	PRJ7	1530		0.1
112)	ZYW5	1530		0.1
113)	ZYU34	1530		1/0.1
114)	ZYS20	1540		0.1
115)	ZYR2	1550		0.1
116)	ZYP7	1550		0.25
117)	ZYZ7	1550		1
118)	ZYV42	1550		0.1
119)	ZYK7	1560		0.1
120)	ZYP6	1560		0.1
121)	ZYG8	1600		0.1
10)	ZYR44	1600		0.5

FM:	mc/s	kW		mc/s	kW		mc/s	kW
52)	80.0		11)	95.7	0.5	14)	101.3	0.25
52)	85.0		27)	98.3	3	112)	106.1	0.06
43)	88.1		14)	100.1	0.25	28)	153.05	0.03
44)	89.3	0.25	87)	101.0	0.25	45)	2 FM-st.	0.5
48)	92.5	5						

1) **R. Dif. Brasileira**, Caixa Postal 173, Uberlandia, Minas Gerais. – **D. Prgr.**: 12.00–02.00. – **V.** by letter.
2) **R. Cajara de Anapolis**, Praca Bom Jesus 41, Anapolis, Goiás.
3) **R. Clube Pouso Alegre**, Pouso Alegre, Minas Gerais.
4) **R. Cultura de Aracatuba**, Rua Osvaldo Cruz 67, Aracatuba, Sao Paulo.
5) **Emissora Cacique**, Rua Miranda Azevedo 311, Sorocaba. – **D. Prgr.**: 17.00–03.00.
6) **R. Cultura Araraquara**, Av. Espanha 284, Araraquara: 10.00–02.00.
7) **R. Clube de Marilia**, Rua Paes Leme 20, Marilia: 10.30–02.00.
8) **R. Tamandaré**, Av. Cruz Cabuga 394, Recife, Pernambuco. – **L.P.**: Dir. Gen.: J. Godhim. Dir. Tec.: J. Vasconcelos. – **D. Prgr.**: 09.00–03.00. – **V.** by QSL-card.
9) **Bauru R. Clube**, Rua° 1 de Agosto 635, Bauru, Sao Paulo. – **D. Prgr.**: 11.00–16.00, 17.00–02.00. – **V.** by letter.
10) **R. Aparecida** (Religious), Praca N.S. Aparecida No. 315, Aparecida. – **L.P.**: Dir.: R. L. Galvão. Dir. Tec.: Prof. I. Baronti. – **D. Prgr.**: 10.00–01.00. **N.** 17.55. **English**: Sat. 24.00. – **V.** by letter. R.p.
11) **R. Itatiaia**, Rua Rio de Janeiro 446, 12° andar, Belo Horizonte. Minas Gerais. – **L.P.**: Dir. Gen.: J. Carneiro. Dir. Tec.: D. A. Magalhães. – **D. Prgr.**: **English**: Sat. 17.00–18.00. **Spanish**: 2nd Sat. of the month: 18.00–18.30. – **F.PL.**: s.w. 19, 60 m.b.
12) **R. Borborema**, Rua Cardoso Vieira 36, Campina Grande, Paraíba. – **D. Prgr.**: 09.00–03.00.
13) **A Voz do Sertao**, Caixa Postal 5, Pres. Prudente: 11.00–02.00.
14) **R. Cultura da Bahia**, Av. 7 de Setembro Nr. 311, Salvador, Bahia. – **L.P.**: Dir. Gen.: J. R. Rocha. – **D. Prgr.**: ZYN20 & FM: 08.55–04.00; s.w.: 12.00–02.00. **N.** 00.00. – **L.L.**: **English**: Thurs. 19.00. – **Spanish**: Sun. 21.30–22.30 – **INT.-SIG.**: Organ: "Ebb Tide". – **V.** by letter or QSL-card. – **F.PL.**: July 1958 s.w. 20 kW.
15) **R. Dif. Paraná**, Londrina, Paraná.
16) **R. Eldorado**, Av. Presidente Vargas 417, Rio de Janeiro, D.F.
17) **R. Dif. do Maranhão**, Sao Luiz, Maranhão.
18) **R. Brazil**, Rua Barao de Jaguara, 1022 3°, Campinas, Sao Paulo. – **D. Prgr.**: 09.00–02.00. – **V.** by letter.
19) **R. Progresso**, Caixa Postal 2071, Sao Paulo.
20) **R. Ribamar**, Caixa Postal 48, Sao Luiz, Maranhão: 10.30–02.00.
21) **R. Dif. do Guapore**, Casa do Radio, Porto Velho: 12.00–13.30, 15.00–17.30, 21.30–02.30. – **V.** by letter or QSL-card.
22) **R. Dif. do Amazonas**, Rua Joaquim Sarmento 100, Manaus, Amazonas. – **D. Prgr.**: 09.00–17.00, 19.00–01.00.
23) **Petrópolis R. Difusora**, Praca D. Pedro II, 17, Edificio d'Angelo, Petrópolis. – **L.P.**: Pres.: A.J. da Silva. Dir. Tec.: I. Nicolay. Mgr.: B.C. Malta: 10.30–02.30. – **V.** by letter.
24) **R. Educadora de Parnaiba**, Caixa Postal 31, Parnaiba, Piaui. – **D. Prgr.**: 14.00–16.00, 20.30–01.00. – **V.** by letter.
25) **R. Soc. Triangulo Mineiro**, Rua Vigaria Silva, Uberaba, Minas Gerais. – **D. Prgr.**: 11.00–17.00, 19.00–02.00.
26) **R. Dif. Teresina**, Aerolino de Abreu 1157, Teresina, Piaui. – **D. Prgr.**: 09.00–11.00, 13.00–16.00, 18.00–01.00.
27) **R. Taubaté, Pindamonhangaba**, Sao Paulo. – **L.P.**: Dir. Gen.: E. A. Beringhs. Comm. Dir.: E. A. Beringhs Filho. – **D. Prgr.**: 10.00–03.00 (ZYR47 11.00–01.00). **N.**: D. 14.30 (720, 4855 kc/s). **Request Prgr.**: D. 20.00–21.00. **Mbg.**: 14.40. – **ANN.**: "R. Difusora Taubaté, emissoras ZYA8, ZYR61 m.w. e curtas. Taubaté, Estado de Sao Paulo, Brazil". – **V.** by QSL-card. – **F.PL.**: m.w. to 5 kW.
28) **R. Clube do Para**, Av. Presidente Vargas (Edf. Palacio do Radio), Belém, Para. – **L.P.**: Dir. Gen.: E. Proenca. Dir. Tec.: M. Franco. – **D. Prgr.**: m.w. 09.00–03.00. s.w. 21.00–03.00. **Nat. Music**: 09.00, 13.00, 19.00 (1450 kc/s). **N.**: 10.00, 15.05, 22.00, 02.00 (1450, 4865 kc/s). **Mbg.**: 16.15, 22.00 (1450, 4865 kc/s). – **V.** by letter or QSL-card.
29) **R. Cultura de Pocos de Caldas**, Praca Pedro Sanches No. 143, Pocos de Caldas, Minas Gerais. – **V.** by letter or QSL-card.
30) **R. Baré**, Av. Eduardo Ribeiro 566, Manaus, Amazonas. – **D. Prgr.**: 11.00–17.00, 20.00–01.30.
31) **R. Relogio Federal**, Caixa Postal 4543, Rio de Janeiro D.F.: 24 h.
32) **R. Difusora de Macapa**, Av. Candido Mendes s/n, Macapá. –

L.P.: Dir. Gen.: M.Q. da Silva. Dir. Tec.: I.A.Veras. – D. Prgr.: 10.00–17.30, 20.00–01.00. – V. by QSL-card.
33) **R. Industrial de Juiz de Fora**, Rua Alfeld, Juiz de Fora, Minas Gerais. – D. Prgr.: 09.00–12.00, 13.00–16.00, 18.00–03.00.
34) **R. Poti**, Av. Deodora 245, Caixa Postal 145, Natal. – L.P.: Dir.: J.C.Melo. – D. Prgr.: 11.00–02.00.
35) **R. Cultura de Campos**, Rua Lacarde Sabrinalio 6, Campos.
36) **R. Copacabana**, Sao Gonzalo. – D. Prgr.: German: Sun. 15.00–17.15, 22.00–23.15. Tues. & Fri. 22.00–22.30.
37) **R. Timbira**, Ed. da Imprensa Official, Sao Luiz: 11.00–01.00.
38) **A Voz do Oeste**, Rua Barão do Melgaco 484, Cuiabá, Mato Grosso. – D. Prgr.: 11.00–12.00, 14.00–17.00, 20.00–24.00.
39) **R. Brazil Central**, Caixa Postal 330, Goiania, Goias. – Cable: "Errebece". – D. Prgr.: 09.00–03.00. – V. by QSL-card or letter.
40) **Fundacao R. Maua**, Palacio do Ministerio do Trabalho, Rio de Janeiro, D.F. – D. Prgr.: 09.00–04.30. German: Thurs. 21.15–22.00.
41) **R. Quitandinha**, Caixa Postal 5992, Petrópolis, Rio de Janeiro. – D. Prgr.: 08.00–04.00. – V. by QSL-card.
42) **R. Vitoria**, Av. Florentino Avidos 492, Vitoria. – L.P.: Dir. Gen.: F.P.Marinho. Dir. Tec.: J.L.Rocha. – D. Prgr.: 09.00–03.00 (s.w. 09.00–17.00, 20.00–02.00).
43) **Radio Gazeta**, Edf. Gazeta, R. da Conceicão 88, S. Paulo. – L.P.: Dir. Gen.: F. de Campos. – D. Prgr.: 10.30–04.00. "Cortina Lirica": Sat. 00.00–01.00. "Soirée de Gala": Sun. 00.00–01.00.
44) **R. Guaiba**, Caldas Junior 219, Porto Alegre. – L.P.: Dir. Gen.: B. Caldas. Dir. Tec.: H.C.Simon. – D. Prgr.: 11.00–03.00, (10.00–12.00 on 5965, 23.00–03.00 on 11785 kc/s).
45) **R. Inconfidencia**, Edf. da Feira de Amostras, Belo Horizonte. – L.P.: Dir. Gen.: M.A.Andrade. Dir. Tec.: A.Praca. – D. Prgr.: 10.00–03.00. N.: 11.00, 15.15, 16.00, 22.00, 22.30–23.00 (A Voz do Brasil), 01.00, 01.30. Prgr. in Italian: 17.00. – ANN.: "Emissoras da Radio Inconfidencia Minas Gerais, Brasil". – INT.-SIG.: Gong. – V. by QSL-card. – F.PL.: Incr. power TV.
46) **R. Club de Pernambuco**, Av. Cruz Cabuga 394, Recife, Pernambuco. – L.P.: Dir. Gen.: J.Gohdim. Dir. Tec.: O.Schiller. – D. Prgr.: 09.00–03.00. – V. by QSL-card.
47) **Soc. R. Emissora de Piratininga**, Praco do Patriarca 26, Sao Paulo. D. Prgr.: 1200 kc: 08.30–03.00. On 6025 kc: 11.00–12.00, 22.00–01.30. Japanese: 08.30–09.00, 22.00–24.00.
48) **R. Globo**, rua Irineu Marinho, 35-Centro, R. de Janeiro. – L.P.: Dir. Gen.: R. Marinho. Dir. Tec.: L.Medeiros: 09.00–03.00.
49) **R. Clube Paranaense**, Box 1448, Curitiba, Paraná: 10.00–03.00. – V. by letter.
50) **R. Panamericana**, Rua Riachuelo 275, Sao Paulo. – D. Prgr.: 11.00–03.00. Japanese: 09.20–10.50 on 620/6055/15135 kc/s.
51) **R. Rural Brasileira**, Ministério da Agricultura, Largo da 7 Misericordia, Distrito Federal. – L.P.: Dir. of Agricultural Information Service: M.Junior. Dir. of R. Rural: M. da Rocha.
52) **R. Jornal do Comercio**, rua Marquês do Recife s/n, Recife, Pernambuco. – L.P.: Superintendente: Dr. F.Pessoa de Queiroz. Dir. Gen.: A.Lopes. Dir. Tec.: Dr. P.Pessoa de Queiroz. – D. Prgr.: 09.00–03.00 (s.w. 09.55–02.30). N.: 10.00, 11.00, 15.30, 16.00, 21.05, 22.25, 01.00, 02.01. – Prgr. in English: "Brazil Calling" 01.30–02.00. – ANN.: P.: "Pernambuco Falandopara o Mundo, Radio Jornal do Comercio, Recife, Pernambuco, Brazil". E.: "Pernambuco Speaking to the World. This is "Brazil Calling"". – INT.-SIG.: Some bars of the Pernambuco Anthem. – V. by QSL-card.
53) **R. Dif. São Paulo**, Rua Piracicaba, Sao Paulo. – D. Prgr.: 10.00–02.00. 15155 kc/s: 12.00–20.30. Japanese: 10.00–11.00. Italian: 00.00–00.30. ZYB8 rel. R. Tupi de Sao Paulo (1040 kc/s). – V. by QSL-card.
54) **Céara Radio Clube**, Caixa Postal 222, Fortaleza. – D. Prgr.: 09.00–02.30. – V. by letter.
55) **R. Nacional de Sao Paulo**, Rúa 24 de Maio 208, Sao Paulo: 09.00–05.00.
56) **R. Sociedade Gaucha**, Ed. Uniao, Box 1164, Porto Alegre. – L.P.: Dir.: M.S.Sobrinho: 10.00–03.00. – V. by QSL-card.
57) **Radio Nacional do Rio de Janeiro**, Praça Maua, 7–20° andar, Rio de Janeiro. – L.P.: Dir. Gen.: M.Areas. Dir. Tec.: J.Nobrega. – D. Prgr.: On 980 D. 24 h. On 6147, 9720, 11720: 08.30–04.15. On 15295: 21.00–04.15. On 17850: 08.30–21.00. N.: 09.00, 11.00, 13.00, 15.55, 20.30, 23.25, 01.00, 02.00. Sp.: (to Latin America): 18.40–19.00 on 9720 kc/s. – ANN.: "Ou em R. Nacional, Rio de Janeiro, Brazil, por suas emissoras de ondas curtas, médias e frequencia modulada". – INT.-SIG.: First movement of the Brazilian musical poem: "Luar do Sertao". – V. by QSL-card.
58) **R. Cultura**, Av. São João 1285, Sao Paulo. – D. Prgr.: 09.00–05.00. German: Sun. 15.00–16.00, Mo. 00.00–00.25. D. 13.00–13.30. Japanese: 10.45 (Sun. 10.30)–11.45; 15.30–15.40 & 23.00–23.40 on 6165 kc/s only.
59) **R. Bandeirantes**, Rua Paula Souza 181, 4° and., Sao Paulo. – D. Prgr.: 09.00–03.00. German & Portuguese: W. 21.15–21.57 on 11925 kc/s. – ANN.: "Radio Bandeirantes de Sao Paulo, transmitindo simultaneamente pelas suas estaçoes: PRH9 ondas medias, 840 kc/s. ZYR77 ondas curtas, 6185 kc/s. ZYR78 ondas curtas, 11925 kc/s. INT.-SIG.: Vibraphone and organ. – V. by QSL-card.
60) **Soc. R. Emissora Continental**, Rua Riachuelo 48, Rio de Janeiro. – D. Prgr.: 10.00–02.30.
61) **R. Tamoio**, Av. Venezuela 43, Rio de Janeiro. – D. Prgr.: 10.00–03.00. – V. by QSL-card. – Station ZYZ9 (15370 kc) rel. R. Tupi (1280 kc), Av. Venezuela 43, Rio de Janeiro.
62) **Agencia Nacional**, Av. Presidente Wilson 164, Rio de Janeiro, D.F. – L.P.: Dir. Foreign Relations: C.R.P.Fornari. – D. Prgr.: Rede Difusora Nacional 760 kc: 22.00–02.00. "A Voz do Brazil": W. 22.30–23.00 on 7935, 10220, 14610 kc and rel. by all Brazilian st.
63) **A Voz da Policia Federal**, Rua da Relacao, Rio de Janeiro. – D. Prgr.: 12.00–02.00. – V. by letter.
64) **R. Record**, Rua Quintino Bocaiuva 22, Sao Paulo. – D. Prgr.: 08.00–05.00. Rel. by PRB21 (6055 kc), PRB23 (15135 kc).
65) **R. Emissora Paranaense**, Caixa Postal 471, Curitiba, Paranaense. – D. Prgr.: German: Wed., Sun. 00.00–01.00, Sun. 12.30.
66) **R. Mayrink Veiga**, Rua Mayrink Veiga 15–17, Rio de Janeiro. – D. Prgr.: 10.00–04.00.
67) **R. Exelcior**, Rua 24 de Maio, s/24, Sao Paulo. – D. Prgr.: 09.00–03.00. – S.w. tr. 6125 kc rel. "R. Nacional de Sao Paulo" (1100 kc).
68) **Radio 9 de Julho**, rua Wenceslau Braz, 78, Sao Paulo. – L.P.: Dir. Gen.: P.B.Lima. – D. Prgr.: 09.00–03.00. Japanese: 09.45–13.30. German: D. 22.00–22.30 on 9620 kc/s.
69) **Soc. R. Rio**, Rio de Janeiro, D.F.
70) **R. Diario da Manha**, Florianópolis. – D. Prgr.: German: Sun. 18.00.
71) **Servicio de Radio Difusao Educ.**, Praca da Republica 141-A, R. de Janeiro. – D. Prgr.: 09.00–03.30. German: W. L.L. 21.00–21.30; Mo. 01.00 (Concert). Spanish: 02.00–02.30. – V. by letter.
72) **Radio Clube Goiania**, rua Dois No. 5, Goiania. – L.P.: Dir. Gen.: J. de M.Calmon. – D. Prgr.: 10.00–03.00. – V. by QSL-card. – F.PL.: s.w. 7.5 kW 19 m.b.; m.w. 5 kW.
73) **R. Tupi de Sao Paulo**, Rua 7 de Abril 230, Sao Paulo. – D. Prgr.: 10.00–03.00.
74) **Radio Cultura de Parana**, rua Barão do Rio Branco 157, Curitiba.
75) **R. Soc. da Bahia**, Rua Portugal 6, Salvador, Bahia. – D. Prgr.: ZYN32: 17.00–04.00, ZYN31: 09.00–17.00.
76) **R. Soc. Farroupilha**, Rua 7 de Setembro 1142, Porto Alegre. D. Prgr.: 13.00–17.00, 19.00–22.30, 23.00–03.00. – V. by letter.
77) **R. Tupi**, Av. Venezuela 43, Rio de Janeiro. – D. Prgr.: 10.00–03.30
78) **R. Clube de Ribeirão Preto**, Ribeirão Preto: 22.00–03.00.
79) **R. Soc. Guairaca**, Rua Barao do Rio Branco 167, Curitiba.
80) **R. Dif. Portoalegrense**, Porto Alegre, Rio Grande do Sul.
81) **R. Cabugi**, Av. Rio Branco 729, Natal, Rio Grande do Norte. – L.P.: Dir. Gen.: R.Gurgel. Dir. Tec.: A.Bonifacia. – D. Prgr.: 09.00–02.00. – V. by letter. Rp. – F.PL.: 10 kW.
82) **R. Mineira**, Rua Goias 34, Belo Horizonte, Minas Gerais.
83) **R. Dif. Platinense**, Box 129, S. Antonio da Platina, Parana.
84) **R. Cultura Riograndina**, Box 147, Rio Grande: 11.00–03.00. – V. by QSL-card.
85) **R. Exelsior da Bahia**, Rua Guedes de Brito 14A, Salvador.
86) **R. Mundial**, Av. Rio Branco 181, Rio de Janeiro D.F.
87) **R. Itai**, Rua dos Andradas 1155, 16° andar, Porto Alegre. – L.P.: Pres. Dr. J.L. dos Santos. – D. Prgr.: 09.00–03.55.
88) **R. Nordeste**, Rua João Pessoa 86, Natal. Rio Grande do Norte.
89) **R. Jornal do Brasil**, Av. Rio Branco 110–112, Rio de Janeiro, D.F.
90) **Gov. do Estado de Alagoas**, Maccio, Alagoas.
91) **R. Soc. de Juiz de Fora**, Rua S. João 197, Juiz de Fora, Minas Gerais.
92) **Soc. R. Emissora Metropolitana**, Rio de Janeiro, D.F.
93) **R. Clube de Sorocaba**, Rua São Bento 253, Sorocaba, Sao Paulo.
94) **R. Teofilo Otoni**, Rua Manoel Martiniano 1, Teofilo Otoni, Minas Gerais. – D. Prgr.: 10.00–02.00. – V. by letter.
95) **R. Tabajaras**, Rua Dr. José de Aquino 540, João Pessoa, Paraiba.
96) **R. Marajoara**, Belém, Para.
97) **R. Espirito Santo**, Rua Arariboia 48, Vitoria, Espirito Santo.
98) **Orlandia R. Clube**, Rua 8 No. 472, Orlandia, Sao Paulo.
99) **R. Sao Paulo**, Av. Angelica, Sao Paulo.
100) **R. Clube de Guaratingueta**, Praca Cons. Rodrigues Alves 182, Guaratingueta, Sao Paulo.
101) **R. Dif. Colatina**, Colatina, Espirito Santo.
102) **R. Clube Pontagrossense**, Caixa Postal 114, Ponta Grossa, Paraná.
103) **R. Cultura de Maringa**, Maringa, Parana.
104) **R. Iracema de Fortaleza**, Fortaleza, Ceará.
105) **Soc. R. Dif. Cultura**, Pelotas, Rio Grande do Sul.
106) **Soc. Educativa Itajuba**, Caixa Postal 56, Itajuba, Minas Gerais.
107) **R. Guarani**, Rua Goias 34, Belo Horizonte, Minas Gerais.
108) **R. Guanabara**, Av. 13 de Maio 23, Rio de Janeiro, D.F.
109) **R. Roquette Pinto**, Av. Almirante Barroso 81, Rio de Janeiro, D.F.
110) **R. Dif. de Pindamonhangaba**, Travessa da Matriz No. 16, Pindamonhangaba, Sao Paulo. – D. Prgr.: 22.30 23.00.
111) **Soc. R. Dif. Jacarezinho**, Jacarezinho, Paraná.
112) **R. Independencia**, Rua Marechal Deodoro 201a, São Bernado do Campo, Sao Paulo.
113) **Soc. Pedritense de Radio**, Rua José Bonifacio Don Pedrito, Rio Grande do Sul. – D. Prgr.: 12.30–01.00. – V. by letter.
114) **Rede Paranaense de Emis.**, Lapa, Parana.

115) **R. Soc. Ponte Nova**, Ponte Nova, Minas Gerais.
116) **R. Ipiranga**, Palmeira, Parana.
117) **R. Cacanjure**, Cacador, Santa Catarina.
118) **R. Cultura Monte Carmelo**, Monte Carmelo, Minas Gerais.
119) **R. Transmissora Igarapavense**, Rua Saldanha Marinho, Igarapava, Sao Paulo: 12.00–22.30. – **V.** by letter/QSL-card.
120) **R. Canoinhas**, Canoinhas, Santa Catarina.
121) **R. Dif. Olimpia**, Rua Cel. Francisco Nogueira 540, Olimpia, Sao Paulo: 11.00–01.00. – **V.** by letter.

★ CHILE ★

L.T.: GMT + 4 h. – **L.:** Spanish. – **All stations comm. Rcvrs.:** 650.000.

ASOCIACION DE RADIODIFUSORAS DE CHILE (ARCHI)

ADDR.: Casilla 3591, Santiago de Chile. **Cable:** Archi. – **L.P.:** Pres.: Sr. Ricardo Vivado Orsini. Dir. Tec.: Sr. Vivado. Secr.: Julie Menadier Carrasco.
S.W.: Call letters CE are used for all Zones. **M.W.:** Call letters CA, CB, CC, CD indicates: A=No. Zone, B=C. Zone, C=So. Zone, D=Antarctic Zone. The figures indicate the freq. in kc minus one cipher, f. inst. CB82=C. Zone 820 kc. *=inactive.

Call	kc/s	m	kW	Call	kc/s	m	kW
1) CE8AA	5750	52.18	0.5	6) CE970	9700	30.93	5
2) CE601	6010	49.92	5	10) CE1174	11740	25.55	5
3) CE604	6040	49.67	5	1) CE1180	11800	25.42	1*
4) CE607	6070	49.42	5	11) CE1185	11850	25.32	2.5*
5) CE610	6100	49.18	1	6) CE1190	11900	25.21	5
1) CE611	6110	49.10	0.5	4) CE1196	11960	25.08	5
6) CE615	6150	48.78	5	1) CE1200	12000	25.00	5
7) CE619	6190	48.47	5	4) CE1511	15115	19.85	5
8) CE766	7660	39.16	1	7) CE1515	15150	19.80	5
7) CE950	9500	31.58	*	1) CE1530	15300	19.61	0.5
9) CE960	9600	31.25	10				

Medium Waves:

1) CB57	570	15	35) CA96	960	0.3	58) CB132	1320	1
12) CC59	590	1	36) CC96	960	0.25	5) CA132	1320	1
13) CB62	620	2	37) CB97	970	1	60) CC133	1330	0.15
14) CB63	630	1	38) CD101	1010	1	59) CB134	1340	1
15) CA63	630	0.25	8) CB101	1010	1	61) CA135	1350	0.25
16) CD63	630	1	39) CD103	1030	1	62) CC135	1350	1
17) CA64	640	0.5	40) CB103	1030	1	63) CD135	1350	0.5
18) CC64	640	1	4) CB106	1060	10	63a)CD137	1370	1
19) CB66	660	12	41) CA108	1080	1	11) CB138	1380	15
20) CB68	680	1	42) CC108	1080	1	64) CC141	1410	1
21) CC68	680	0.5	43) CA109	1090	0.25	65) CB141	1410	1
22) CD69	690	1.2	44) CC109	1090	1	66) CA141	1410	
23) CB70	700	1	45) CD111	1110	1.25	67) CB142	1420	0.25
24) CA70	700	0.25	46) CB111	1110	1	68) CC143	1430	1
6) CB73	730	10	47) CC111	1110	0.1	69) CC144	1440	1
6) CB76	760	75	7) CB114	1140	50	70) CB146	1460	0.1
25) CB82	820	1	48) CC116	1160	1.5	71) CD146	1460	0.25
26) CA82	820	0.25	49) CB118	1180	25	72) CB147	1470	0.25
27) CD82	820	1	50) CD121	1210	10	73) CC148	1480	0.25
28) CC84	840	0.8	51) CA121	1210	0.25	74) CB150	1500	10
29) CD84	840	1.5	52) CB124	1240	0.25	75) CA152	1520	0.5
30) CB84	840	2	53) CC125	1250	1	76) CC152	1520	0.25
31) CD89	890	1	54) CA126	1260	0.5	77) CB153	1530	0.25
32) CB89	890	1	55) CB126	1260	1	78) CB154	1540	0.25
33) CC90	900	0.1	2) CA127	1270	0.25	79) CB156	1560	1
34) CB90	900	1	56) CC127	1270	0.25			
3) CA90	900	1	9) CB130	1300	1			
10) CB93	930	10	57) CD132	1320	1			

1) **R. Soc. Nacional de Agricultura**, Augustinas No. 718, Santiago. – **L.P.:** Dir.: F. Echeverria. – **D. Prgr.:** 10.30–04.30. **"German Hour":** D. 12.35, D. exc. Mo. 00.40–01.10. Sun. 22.30–24.00. – **V.** by QSL-card.
2) **Emisoras Norte**, Casilla 708, Antofagasta. – **L.P.:** Dir.: E. Torrens. **D. Prgr.:** 11.30–04.00.
3) **R. Libertad**, Casilla 457, Antofagasta. – **L.P.:** Dir.: A. Cajiao. – **D. Prgr.:** 11.00–04.00.
4) **R. Soc. Nacional de Mineria**, Moneda 973, piso 3, Santiago. – **L.P.:** Man.: E. Sánchez. – **D. Prgr.:** 11.30–04.30. – **ANN.:** "Santiago de Chile, R. Soc. Nacional de Mineria". – **INT.-SIG.:** Gong. – **V.** by QSL-card.
5) **R. Calama**, Sotomayor 152, Casilla 1, Calama. – **L.P.:** O.P. Vergara Keller. Dir. Tec.: F. Reiter. – **D. Prgr.:** 11.30–03.00. – **N.:** 11.30, 16.00, 01.00. – **Nat. Music:** 17.00. – **Mbg.:** 21.30. – **Wrp.:** 11.30, 16.45, 20.00. – **V.** by letter.
6) **R. Cooperativa Vitalicia:** CE615/CE970/CB76 – Bandera 236, piso 8°, Santiago; CE1190/CB73 – Casilla 1627, Valparaiso. – **L.P.:** Mgr.: E. Hamilton (CB76). – **D. Prgr.:** 11.30–04.00. – **German Hour:** Wed. 22.45–23.45. – **ANN.:** "La Voz de Chile para toda America". When all stations transmitting simultaneously "Transmite Radio Cooperativa Vitalicia y la Primera Cadena Chilena de Emisoras. – **V.** by QSL-card.
7) **Corp. Chilena de Broadcasting**, Bandera 24, Santiago. – **L.P.:** Dir.: J. Walker. – **D. Prgr.:** 11.25–04.00. – **"English Lessons":** Tues. 22.45–23.00. – **ANN.:** "Transmite CB114 Radio Corporacion de Santiago de Chile, con sus ondas cortas en 19 y 49 metros."
8) **R. Yungay, Huerfanos 930, Santiago.** – **L.P.:** Dir.: G. Castillo. – **D. Prgr.:** 11.30–06.30. – **ANN.:** "CB101 y CE766 Estaciones de Radio Yungay de la Corporacion Chilena de Radiodifusion Ltda. Santiago de Chile." – **INT.-SIG.:** First movement of the song "Donde el Azul de la Noche encuentra el Ovo del Dia." – **V.** by letter.
9) **R. Presidente Balmaceda**, Nueva York 53, piso 7°, Santiago. – **L.P.:** Dir.: M. L. del Solar. – **D. Prgr.:** 10.45–05.00. – **INT.-SIG.:** Gong with notes from the melody "Los Copihues Rojos." **V.** by QSL-card.
10) **R. Nuevo Mundo**, Santiago. – **D. Prgr.:** 11.25–04.00.
11) **R. Cruz del Sur**, Plaza Bulnes 47, Santiago. – **D. Prgr.:** 12.00–04.00. – **German Hour:** 00.00.
12) **R. Condor**, Casilla 486, Concepcion.
13) **R. La Reina**, Nueva York 25, Santiago. – **L.P.:** Dir.: G. Camus.
14) **R. Prieto**, Edwards 382, Valparaiso.
15) **R. Esmeralda**, Casilla 209, Iquique.
16) **R. Sur**, Casilla 60-D, Valdivia.
17) **R. Norte Verde**, Casilla 252, Ovalle. – **L.P.:** Dir.: F. Morales.
18) **R. El Sur**, Casilla 482, Concepcion. – **L.P.:** Dir. M. S. Lagos.
19) **R. Chilena**, Rosas 1269, Santiago. – **L.P.:** Dir. F. Marquez R. – **D. Prgr.:** **"German Hour"**. D. 17.00–18.00, 21.00–22.00.
20) **R. Soc. Nac. de Mineria**, Vina del Mar. – **L.P.:** Dir.: L. Munos.
21) **R. Lautaro**, Casilla 214, Talca. – **L.P.:** O.: Abasolo y Tarud Ltda.
22) **R. La Frontera**, Casilla 516, Temuco. – **L.P.:** Dir.: D. de Mayo.
23) **R. Santiago**, Augustinas 814, Of. 909, Santiago. – **L.P.:** Dir.: R. Vergara. – **D. Prgr.:** **"German Hour"** D. 17.35–18.00.
24) **R. Coya**, Maria Elena, Antofagasta, and Casilla 13260, Santiago.
25) **R. Del Pacifico**, Portal F. Concha 960, Santiago. – **L.P.:** Dir. R. Vivado.
26) **R. Del Salitre**, Casilla 7-D, Iquique.
27) **R. Concordia**, Casilla 167, Valdivia. – **L.P.:** Dir. A. Alied.
28) **R. Almirante Latorre**, Casilla 358, Talcahuano.
29) **R. Sago**, Casilla 35-0, Osorno.
30) **R. Recreo**, Calle Valparaiso 625, Vina del Mar. Casilla 1735, Valparaiso. – **L.P.:** Mgr.: E. Godoy. – **D. Prgr.:** 12.00–04.00.
31) **R. Polar**, Casilla 447, Punta Arenas.
32) **R. Corp. Nacional de Comercio**, Estado 360, Santiago.
33) **R. El Roble**, Casilla 37, Parral. – **L.P.:** Dir.: J. Rogazy.
34) **R. Soc. Nac. Agricultura**, Casilla 90, Valparaiso.
35) **R. Riquelme**, Casilla 141, Coquimbo. – **L.P.:** Dir.: C. Nieme.
36) **R. Condell**, Yungay 10, Curio. – **L.P.:** Dir.: A. Cuerra.
37) **R. Prat**, S. Lucia 270, Santiago. – **L.P.:** Dir. P. Valenzuela.
38) **R. Llanquihue**, Casilla 356, Puerto Montt.
39) **R. Cautin**, Casilla 169, Temuco.
40) **R. Caupolicán**, Condell 1459, Casilla 506, Valparaiso.
41) **R. La Serena**, Casilla 118, La Serena.
42) **R. Diego Portales**, Casilla 111, Talca.
43) **R. Toco**, Central Maria, Tocopilla.
44) **R. Rancagua**, Casilla 21, Rancagua. – **L.P.:** Dir.: J. Romero.
45) **R. Austral**, Casilla 40 D, Punta Arenas.
46) **R. Los Castaños**, Casilla 534, Viña del Mar.
47) **R. Centenario**, Casilla 18, San Javier. – **L.P.:** Dir.: M. Gaete.
48) **R. Simon Bolivar**, Casilla 318, Concepcion. – **L.P.:** Dir.: A. Jaen.
49) **R. Cristobal Colon**, Casilla 89-V, Valparaiso.
50) **R. Soc. Nac. Agricultura Los Angeles**, Casilla 327, Los Angeles.
51) **R. Atacama**, Casilla 57, Copiapo.
52) **R. Valparaiso**, Uruguay 836, Casilla 1096, Valparaiso.
53) **R. Lircay**, Casilla 450, Talca. – **L.P.:** Dir.: H. Vaccaro.
54) **R. El Morro**, Arica.
55) **R. Nacional**, Casilla 1346, Santiago. – **L.P.:** L. H. Sorrel.
56) **R. Nuble**, Casilla 21-B, Chillan. – **L.P.:** Dir.: V. Bustos.

O. I. R.'s
Documentation and Information
BULLETIN
published in English, French, Russian and Chinese gives you every 2 months a lot of valuable information on what is going on in the world of Broadcasting.

Subscription: ARTIA Ltd.,
Exporters and Importers of Cultural Commodities.
Ve Smeckách 30, Prague 2, Czechoslovakia.

57) **R. Baquedano,** Casilla 758, Valdivia. – **L.P.:** Gen. Man.: C. Cockbaine. – **D. Prgr.:** 12.00–18.30, 20.00–03.00. – **V.** by QSL-card.
58) **R. Cochrane,** Casilla 4020, Valparaiso. – **L.P.:** Dir.: S. Cohen C.
59) **R. Cervantes,** 21 de Mayo 617, Santiago. – **L.P.:** Dir.: L. Leiva S.
60) **R. La Discusión,** Casilla 14-D, Chillan. – **L.P.:** Dir. A. Lagos.
61) **R. Pampa,** Edif. FF. CC., Of Pedro de Valdivia, Antofagasta.
62) **R. Central,** Casilla 119, Rancagua. – **L.P.:** Dir.: O. Massoni.
63) **La Voz del Sur,** Casilla 226, Punta Arenas.
64) **R. Araucania,** Casilla 462, Concepcion. – **L.P.:** Dir.: R. Arjona.
65) **R. Chacabuco,** Casilla 252, Quillota. – **L.P.:** Dir.: E. Lopez.
66) **R. El Loa,** Casilla 439, Antofagasta. – **L.P.:** Dir.: J. A. Garcia A.
67) **R. Hispania,** Ejercito 608, Santiago. – **L.P.:** Dir.: O. Moraga.
68) **R. Independencia,** Casilla 132, Molina. – **L.P.:** Dir.: K. Jara G.
69) **R. El Cobre,** Casilla 21, Rancagua.
70) **R. Magallanes,** Huerfanos 714, Santiago. – **L.P.:** Dir.: S. Guttman.
71) **R. Arauco,** Casilla 6, Angol. – **L.P.:** Dir.: J. Abasolo.
72) **R. Universidad Santa Maria,** Av. Los Placeres 401, Valparaiso.
73) **R. Manuel Rodriguez,** Casilla 147, San Fernando.
74) **R. Sud America,** Goycoolea. 117, Cisterna-Santiago.
75) **R. Patria Lynch,** Vivar 489, Iquique. – **L.P.:** Dir.: L. R. Morales.
76) **R. Soberania,** Casilla 11-D, Linares. – **L.P.:** Dir.: R. Abasolo.
78) **R. Cronos,** Bulnes 79, Santiago. – **L.P.:** Dir.: R. Renard.
79) **R. Sargento Aldea,** Casilla 38, San Antonio.

R. MILITAR AUSTRAL (Military)
ADDR.: Punta Arenas. **Station:** CD125 1250 kc/s 240 m 0.5 kW. S.W. CE920 9200 kc/s 32,61 m 0.5 kW. – **D. Prgr.:** 00.00–03.30.

★ COLOMBIA ★

L.T.: GMT÷5 h. – **L.:** Spanish. – **Rcvrs.:** 000.000.0.
All stations commercial exc. R. Nacional (Official) and those marked with [1]) (Cultural).

Short Waves: *=inactive.

Call	kc/s	m	kW	Call	kc/s	m	kW
1) HJGO	3250	92.31	10	20) HJAF	4965	60.42	10
2) HJEF	4765	62.95	3	21) HJCA	5015	59.82	10
3) HJKD	4785	62.74	10	22) HJFW	5020	59.76	1
4) HJFU	4795	62.54	1	23) HJDW	5050	59.40	1
5) HJTB[1])*	4795	62.50	10	1) HJGC	5075	59.13	25
6) HJDU[1])*	4805	62.43	1	24) HJCF	5960	50.34	1
7) HJKT	4815	62.34	1	25) HJDY*	5980	50.16	10
8) HJHC	4825	62.18	1	26) HJFC	6010	49.92	2.5
9) HJKE	4835	62.05	1	27) HJCX	6018	49.85	5
10) HJGF*	4845	61.92	1	28) HJLB	6040	49.67	10
11) HJFV	4855	61.79	10	29) HJEX	6055	49.55	5
12) HJFA	4865	61.66	1	30) HJFB	6105	49.14	5
13) HJBG	4875	61.54	5	5) HJTB*	6128	48.96	10
14) HJCH*	4895	61.29	5	31) HJEV*	6135	48.90	1
15) HJAG	4905	61.16	1	32) HJDE	6145	48.82	10
16) HJEQ	4915	61.04	1	33) HJKJ	6160	48.70	10
17) HJAP	4925	60.91	1	21) HJCQ[1])	6185	48.50	10
18) HJLF	4935	60.80	1	34) HJEZ	6195	48.43	1
19) HJCW	4945	60.66	1	5) HJTC[1])	9620	31.19	10
				21) HJKZ[1])	11715	25.61	10

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW
33) HJKL	600	10	46) HJDZ	1070	1
30) HJFD	620	20	26) HJFM	1080	1
25) HJDO	650	25	47) HJAT	1080	1
21) HJKA	680	10	48) HJDC	1090	1
27) HJCZ	710	10	49) HJCN	1100	1
35) HJAN	730	10	50) HJAC	1110	1
36) HJCU	740	10	51) HJEW	1110	1
32) HJDE	770	50	10) HJGE	1130	10
5) HJTA	800	10	52) HJJC	1130	1
37) HJED	820	50	53) HJCL	1140	2
3) HJKC	840	50	31) HJEB	1150	1
24) HJCE	860	10	54) HJGJ[1])	1150	1
14) HJCI	890	10	19) HJCO	1160	1
34) HJEY	900	10	55) HJFX	1170	1
9) HJCS	920	10	56) HJBJ	1170	1
20) HJAE	930	10	57) HJGK	1180	1
28) HJLA	950	10	58) HJCD	1180	1
38) HJFN	970	10	59) HJES	1180	1
23) HJDB	980	10	60) HJDT	1190	1
21) –	990	10	61) HJCV	1200	1
39) HJDQ	1010	1	62) HJAV	1200	1
40) HJCC	1020	1	2) HJEL	1210	5
29) HJER	1030	1	63) HJBE	1210	1
41) HJDR	1040	1	64) HJAJ	1220	1
42) HJIA	1040	1	65) HJKR	1220	1
15) HJAH	1050	1	66) HJFF	1230	1
22) HJFJ	1050	1	11) HJFP	1240	10
43) HJCG	1060	1	67) HJDI[1]	1240	5
44) HJAZ	1060	1	4) HJFG	1250	1
45) HJJF	1070	5	68) HJAO	1260	1
69) HJKN	1260	2	18) HJFL	1440	1
7) HJBC	1270	1	96) HJBZ	1440	1
70) HJFT	1270	1	97) HJFI	1450	1
71) HJAQ	1280	1	98) HJEG	1450	0.75
72) HJDA	1280	1	99) HJGM	1450	1
73) HJCK	1290	1	100) HJFZ	1460	1
74) HJEC	1300	1	101) HJEJ	1460	1
75) HJAK	1310	1	102) HJAL	1460	1
76) HJCJ	1310	1	103) HJHB	1470	1
77) HJLB	1310	1	104) HJFK	1470	1
78) HJGN	1320	1	105) HJDI[1])	1470	0.35
79) HJEO	1320	1	106) HJCL	1480	1
12) HJFE	1330	1	107) HJDL	1480	0.75
80) HJAD	1330	1	108) HJEP	1490	1
13) HJBF	1350	1	109) HJLE	1490	1
81) HJKY	1350	1	110) HJCY[1])	1500	1
82) HJDS	1350	1	111) HJET	1510	1
8) HJHA	1350	1	112) HJDM	1520	0.75
83) HJFR	1360	1	113) HJBB	1520	1
84) HJEN	1370	1	114) HJBA[1])	1530	0.1
85) HJGH	1380	1	115) HJDF[1])	1530	0.25
16) HJEA	1380	2.5	116) HJJE	1540	1
86) HJAS	1390	0.75	117) HJGD	1540	0.35
87) HJFQ	1390	1	118) HJDN[1])	1540	0.15
17) HJAR	1400	1	119) HJCP[1])	1550	0.1
88) HJFO	1400	1	120) HJGA	1560	1
89) HJJA	1400	1	121) HJKU[1])	1560	0.25
90) HJEI	1410	1	122) HJEM	1560	1
91) HJFS	1410	0.75	123) HJFN[1])	1570	0.2
92) HJBH	1410	1	124) HJKG[1])	1570	0.1
6) HJDV[1])	1410	0.5	125) HJKP[1])	1580	0.15
93) HJEU	1420	1	1) HJGP[1])	1580	1
94) HJBD	1420	1	126) HJDD[1])	1580	0.2
95) HJEK	1430	1			

FM Call	mc/s	kW	Call	mc/s	kW
33) HJKB-FM	88.5		19) HJCO-FM	99.0	10
35) HJAN-FM	90.0	0.5	60) HJDX-FM	101.0	0.25
73) HJCK-FM	91.0		21) HJKA-FM	102.0	
32) HJDF-FM	95.0	0.25	3) HJKT-FM	103.1	0.25
27) HJHA-FM	97.0	0.25	33) HJKB-FM	107.1	
5) HJTA-FM	99.0	10	67) HJDI[1])-FM	166.2	

A. PRIMERA CADENA RADIAL COLOMBIANA "CARACOL"
ADDR.: Calle 53 No. 46–80, Medellin. – **L.P.:** Pres.: William Gil Sánchez. Vice-Pres.: Fernando Londoño Henao. – St. belonging to this network are: 4), 8), 11), 21), 32), 35), 37), 38), 44), 46), 47), 49), 51), 54), 55), 66), 68), 79), 80), 95), 101).
1) **R. Sutatenza, Boyaca. Addr.:** Accion Cultural Popular, Escuelas Radiofónicas, Calle 20 No. 9–45, Bogotá, D.E. – **Cable:** "Radiofónicas, Bogota". – **L.P.:** Pres.: Exmo. Sr. A. M. Ocampo B. (Obispo de Tunja). Dir. Gen.: J. J. Salcedo G. Dir. Adm.: F. Sarmiento O. Dir. Prgr.: F. Gutierrez R. Dir. Tec.: L. M. Pick P. Dir. Press. & Inf.: Rev. P. P. M. Ozaeta. Dir. Foreign Rel.: B. Grau Azuero. – **D. Prgr.:** W.: 10.50–13.30, 19.50–02.05, 02.10–03.10. Sun.: 16.45–02.30. – **N.:** 12.00 (W), 23.20, 01.00 (W), 03.00 (W). – **ANN.:** "Por Escuela y la Cultura Transmite Radio Sutatenza del Servicio del Radiodifusoras de la Accion Cultural Popular desde Sutatenza en Bogota, Republica Colombia". – **V.** by QSL-letter. Rp. preferred. – **F.PL.:** Medio 1958: 50 kW st. (5095 kc/s), 10 kW st. (6075 kc/s).
2) **R.dif. Occidente,** Carrera 1a No. 16–89, Cali. – **L.P.:** Dir.: G. Holquin H. – **D. Prgr.:** 10.45–05.00.
3) **Emisoras Nuevo Mundo,** Calle 19, No 9–48, Bogota. – **Cable:** "Nuevomundo". – **L.P.:** Dir. Gen.: C. Pinzon M. Mgr.: F. Londoño Henao. Dir. Tec.: L. A. Rocha. – **D. Prgr.:** 11.00–05.00. – **V.** by QSL-card.
4) **La Voz del Comercio Armenia.** – **L.P.:** Mgr.: L. Herrera.
5) **R.dif. Militar,** Ministerio de Guerra, Comando General de las FF. AA., Departemento No. 2, Bogota. (Operated by the Colombian Armed Forces). – **D. Prgr.:** 17.00–04.00. – **ANN.:** "Radiodifusora Militar de Colombia, Bogota." – **V.** by QSL-card.
6) **Universidad de Antioquia,** Carrera 43 No. 47–96, Medellin.
7) **La Voz de Cucuta,** Av. 5a No. 10–11, Cúcuta. – **D. Prgr.:** 11.00–05.00.
8) **R. Nariño,** Apt. Aéreo 390, Carrera 24 No. 21–23, Pasto. – **Cable:** "Radionariño". – **L.P.:** Mgr.: E. Becerra. – **D. Prgr.:** 12.00–04.00. – **V.** by QSL-card or letter.
9) **R. Continental,** Calle 17 No. 7–86, Bogota. – **L.P.:** Mgr.: J. Palacios. – **D. Prgr.:** 13.00–04.00. – **V.** by letter.
10) **R. Bucaramanga,** Carrera 15 No. 36–03, Apt.: Aéreo 572, Postal 47, Bucaramanga. – **L.P.:** Mgr.: G. Sorzano. – **D. Prgr.:** 11.00–05.00. – **V.** by letter.
11) **R. Neiva,** Calle 7a No. 5–69, Neiva, Huila. – **Cable:** "Radioneiva." – **L.P.:** Mgr.: L. Garcia C. Dir. Tec.: Carlos Castillo. – **D. Prgr.:** 11.00–05.00. – **V.** by QSL-card.
12) **La Voz de Pereira,** Calle 18 No. 8–54 (3° piso), Pereira. – **L.P.:** Mgr.: J. Ortiz P. – **D. Prgr.:** 12.30–04.00.

13) **La Voz del Norte**, Calle 9 a No. 5-32, Cucuta. – **L.P.**: Mgr.: M. F. Jordan.
14) **La Voz de la Victor**, Carrera 7a No. 11-35, Bogota. – **L.P.**: Mgr.: A. Gaitan C.
15) **Emisora Atlántico**, Paseo Bolivar, Carrera Cuartel, Barranquilla. – **Cable**: "Emisatlan". – **L.P.**: Mgr.: M. A. Blanco. – **D. Prgr.**: 11.30–04.00. – **V.** by QSL-card.
16) **La Voz del Cauca**, Carrera 8a, No. 3-72, Apt. Aéreo 535, Popayan. – **L.P.**: Dir. Gen.: O. Burckhardt. Mgr.: L. Burckhardt. Dir. Prgr.: C. Muñoz. Dir. Tec.: J. Musikka. Dir. of Press.: J. M. Castro C. – **D. Prgr.**: 11.30–04.00. – **N.**: 00.00. – **Nat. Music**: 12.30, 02.45.
17) **R. Colonial**, Calle de Porvenir No. 60, Cartagena. – **L.P.**: Mgr.: G. Calvo N.
18) **Ondas de Ibague**, Edificio Raad, 2° piso, Ibague. – **L.P.**: Mgr.: L. E. Martinez. – **D. Prgr.**: 11.00–04.00.
19) **Emisora Sur America**, Carrera 9a No. 12-23, Bogota. – **Cable**: "Emisora". – **L.P.**: Mgr.: Abel M. Villegas. – **D. Prgr.**: 11.00–05.00. – **V.** by QSL-card.
20) **Emisoras Fuentes**, Apts.: Aéreo 91, Nal. 31, Cartagena. – **L.P.**: Mgr.: R. Fuentes L. – **D. Prgr.**: 11.00–05.00. – **V.** by QSL-card.
21) **Radiotelevisora Nacional de Colombia**, Transversal 17 No. 25-65, Bogota. – **L.P.**: Mgr.: F. Gomez Argudelo. – **D. Prgr.**: 12.15 (Sun. 14.00)–05.00. – **N: W.** 13.00, 18.05, 22.30, 04.00. Sun. 18.00. – **ANN.**: "Radio Televisora Nacional de Colombia." – **V.** by QSL-card or letter.
22) **Transmisora Caldas**, Calle 20 con Cra. 23, Teatro Cumanday, Manizales. – **L.P.**: Mgr.: I. Escobar. – **D. Prgr.**: 12.00–04.00.
23) **La Voz de Medellin**, Carrera 51 No. 59-53, Medellin. – **L.P.**: Mgr.: A. Moreno. – **D. Prgr.**: 11.50–04.00. – **V.** by letter.
24) **La Voz de Bogota**, Carrera 6a No. 14-88, Bogota. – **L.P.**: Mgr.: G. Uribe Th. – **D. Prgr.**: 11.00–04.00. – **V.** by letter.
25) **R. Libertad**, Carrera 47 (Sucre), No. 53-29, Medellin. – **Cable**: "Radiolibertad". – **L.P.**: Mgr.: J. Z. Ferrar. – **V.** by QSL-card or letter.
26) **La Voz de Armenia**, Carrera 16 entre Calles 19y 20 (4° piso), Armenia. – **L.P.**: Mgr.: J. M. Toro E.
27) **La Voz de Colombia**, Carrera 9a, No. 12-23, Apts.: Postal 2665, Aéreo 3855, Bogota. – **Cable**: "Vozcolombia". – **L.P.**: Mgr.: J. Muneraleon. Dir. Prgr.: J. G. Camargo. – **D. Prgr.**: 12.00–06.00. – **ANN.**: "La Voz de Colombia -710 en su radio." – **INT.-SIG.**: First notes from Grieg's Concerto in A-minor. – **V.** by QSL-card.
28) **La Voz del Tolima**, Calle 12 No. 2-35, Apt. Aéreo 604, Ibaque. – **L.P.**: Mgr.: F. Saavedra. – **D. Prgr.**: 12.00–04.00. – **V.** by QSL-card or letter.
29) **R. Pacifico**, Calle 12 No. 5-59, Cali. – **L.P.**: Mgr.: J. Cordoba M. – **D. Prgr.**: 11.30–04.30. – **V.** by letter.
30) **R. Manizales**, 4° piso del Banco de Bogota, Apt.: Aéreo 67, Nal. 175, Manizales. – **L.P.**: Mgr.: A. Hoyos A. – **D. Prgr.**: 12.00–04.00. – **V.** by letter.
31) **La Voz del Valle**, Calle 23 No. 1-25, Cali. – **L.P.**: Mgr.: E. Cordoba V.
32) **La Voz de Antioquia**, Calle 53, No. 46-80, Medellin. – **L.P.**: Mgr.: W. G. Sánchez. – **D. Prgr.**: 11.00–05.00. – **V.** by QSL-card.
33) **Emisora Nueva Granada**, Carrera 15, No. 13-47, Bogota. – **Cable**: "Nueva Granada". – **L.P.**: Dir. Gen.: E. Ramirez G. Mgr.: J. A. Botero. Dir. Prgr.: J. Ospina M. Dir. Adm.: J. C. Cortéz R. Dir. Tec.: K. Gabriunas. – **D. Prgr.**: 600 kc/s: 11.00–05.00; 6160 kc/s 11.00–02.00. – **V.** by letter.
34) **La Voz de Cali**, Apt. Aéreo 1972, Calle 11 No. 9-20, Cali. – **Cable**: "Vozcali". – **L.P.**: Mgr.: B. Tobon de La Roche. – **D. Prgr.**: 11.30–04.00. – **V.** by letter.
35) **Emisoras Unidas**, Apt.: Aéreo 154, Nal. 324, Barranquilla. – **Cable**: "Emisunidas". – **L.P.**: Mgr.: R. Fuentes L. – **D. Prgr.**: 11.00–05.00. – **V.** by QSL-card.
36) **R. Capital**, Calle 62 No. 13.66, Bogota.
37) **La Voz del Rio Cauca**, Carrera 1a No. 18-39, Cali. – **D. Prgr.**: 11.00–05.00.
38) **"La Voz del Café"**, Carrera 8a No. 15-47, Pereira. – **D. Prgr.**: 11.00–05.00.
39) **Emisora Claridad**, Av. 10 de Mayo No. 49-53, Medellin.
40) **Emisora Mil Veinte**, Carrera 7a No. 24-78, Bogota.
41) **La Voz del Triunfo**, Calle 51 (Boyaca) No. 51-31, Medellin.
42) **R. Villavicenio**, Calle 5a, Carrera 6a, Villavicenio.
43) **R. Santa Fé**, Calle 17 No. 10-47, Bogota.
44) **La Voz del Sinu**, Edif. Teatro Nariño – 2° piso, Monteria, – **D. Prgr.**: 11.00–05.00.
45) **R. Musical**, Calle 11 No. 9-20, Cali.
46) **R. Reloj**, Calle 53, No. 46-80, Medellin. – **D. Prgr.**: 24 h.
47) **R. Reloj**, Carrera 42, No. 23-46, Barranquilla. – **D. Prgr.**: 24 h.
48) **Ecos de la Montana**, Calle 53 No. 52 A-42, Medellin.
49) **R. Reloj**, Calle 19 No. 8-48, Bogota. – **D. Prgr.**: 24 h.
50) **Emisora Riomar**, Calle 32 No. 42-19, Barranquilla.
51) **R. Reloj**, Carrera la No. 18-39, Cali. – **D. Prgr.**: 24 h.
52) **R. Cartago**, Carrera 4a No. 10-62, Cartago.
53) **R. Girardot**, Calle 8a No. 10-19, 3° piso, Girardot.
54) **R. Belencito**, Belencito. – **Addr. & L.P.**: as 1).
55) **R. Reloj**, Bco. Comercial Antioqueño, Officinas 308 y 309, Manizales. – **D. Prgr.**: 24 h.
56) **La Voz de Santa Maria**, Apt. Aéreo 540, Santa Maria. – **D. Prgr.**: 11.00–05.00.
57) **R. Santander**, Calle 33 No. 15-11, Bucaramanga.
58) **Ondas del Fusacatan**, Fusagasuga.
59) **R. Reporte**, Carrera 9a No. 10-45, Cali.
60) **R. Nutibara**, Edificio Cardenas 6° piso, Medellin. – **L.P.**: Dir. Gen.: J. G. Lobo. Dir. Tec.: G. L. Cadavid. – **D. Prgr.**: 11.30–05.00. – **F.PL.**: 10 kW 1958.
61) **R. Popular**, Carrera 9a No. 13-42, Bogota.
62) **R. Cordobesa**, Montería.
63) **Ecos de Ocaña**, Ocaña.
64) **Cadena Radial del Caribe**, 2° piso del Teatro Colombia, Barranquilla.
65) **R. Lumiton**, Calle 12 No. 5-17, Bogota.
66) **R. Centinela**, Carrera 8a, Edificio Algira, Pereira.
67) **R. Bolivariana**, Apt. Aéreo 1178, Medellin. – **D. Prgr.**: 21.00–03.00.
68) **R. Vigia**, Apts.: Aéreo 154, Nal. 324, Barranquilla. – **D. Prgr.**: 24 h.
69) **Emisora Metropolitana**, Carrera 7a No. 22-79, Bogota.
70) **Ecos del Combeima**, Ibaque. – **D. Prgr.**: 11.00–05.00.
71) **R. Miramar**, R. Centro, Cartagena.
72) **Siglo Veinte**, Carrera 51, (Bolivar) No. 59-53, Medellin.
73) **El Mundo en Bogota**, Carrera 7a No. 17-14, 3er piso, Bogota. – **D. Prgr.**: 13.00–04.00.
74) **R. Libertador**, Carrera 3a No. 15-80, Cali.
75) **La Voz de la Patria**, Apt.: Aéreo No. 231, Nal. 621, Barranquilla. – **Cable**: "Voz Patria". – **L.P.**: Gen. Mgr.: C. Vasallo M. Dir. Tec.: C. V. Gomez. – **D. Prgr.**: 11.00–05.00. – **V.** by QSL-card. – **F.PL.**: 5 kW 1958.

LA VOZ DE LA PATRIA
LA EMISORA DE LA TONALIDAD PERFECTA
21 ANOS DE SERVICIOS CONTINUOS
PROXIMAMENTE INAUGURACION DE UN NUEVO EQUIPO DE MAYOR POTENCIA Y CON ANTENA VERTICAL DE 57 METROS

76) **R. Progreso**, Calle 13 No. 14-17, Bogota.
77) **R. San Eugenio**, Carrera 15 No. 15-32, Santa Rosa de Cabal.
78) **R. Barrancabermeja**, Barrancabermeja.
79) **Ondas del Valle**, Carrera 5a No. 12-23, 3° piso, Cartago.
80) **R. Virgia**, Apt's.: Aéreo 91, Nal. 31, Cartagena. – **L.P.**: Dir. Gen.: R. Fuentes L. Dir. Tec.: C. Estevez L. – **D. Prgr.**: 24 h. – **V.** by QSL-card. – **F.PL.**: 5 kW.
81) **Ondas del Puerto**, Calle 14 No. 11-19, 3° piso, Girardot. – **D. Prgr.**: 11.00–05.00.
82) **La Voz de las Americas**, Carrera 51 (Bolivar) No. 51-40, Medellin
83) **Ondas del Huila**, 2° piso, Banco Comercio, Neiva.
84) **R. Cultura**, Carrera 7a No. 16-42, Cali.
85) **R. del Comercio**, Calle 35 No. 12-66, Bucaramanga.
86) **R. Variedades**, Calle 35 No. 35-106, Barranquilla.
87) **La Voz del Pueblo**, Carrera 8a No. 15-89, Pereira.
88) **R. Luz**, Carrera 22 No. 16-19, Manizales.
89) **R. Buaneventura**, Calle 5a, Carrera 2a, Buaneventura.
90) **Emisora Guadalajara**, Carrera 3a No. 8-53, Buga.
91) **Ondas del Guali**, Honda.
92) **R. Magdalena**, Calle 7a No. 5-54, Santa Marta.
93) **Emisora Gran Colombia**, Carrera 5a Calle 23, Cali.
94) **R. Guaimaral**, Apt. No. 5-54, Cucuta.
95) **R. Tulua**, Carrera 26, Calle 26 y 27, Tulua.
96) **Ondas del Riohacha**, Riohacha.
97) **Pregones del Quindio**, Calle 19 No. 14-42, Armenia. – **D. Prgr.**: 11.00–05.00.
98) **La Voz del Belalcazar**, Calle 5a No. 5-81, Popayán.
99) **R. Sogamoso**, Boyaca.
100) **La Voz del Espinal**, Espinal.
101) **Armonias del Palmar**, Calle 29 No. 29-67 y 29-73, Palmira.
102) **R. Sincelejo**, Plaza Olaya Herrera, Sincelejo.
103) **Ecos de Pasto**, Av. Santander No. 21-76, Pasto. – **D. Prgr.**: 11.00–05.00.
104) **La Voz Amiga**, Carrera 8a, Edificio Algira 3° piso, Pereira.
105) **Emisora Yarumal**, Yarumal.
106) **R. Garzón**, Calle 7a con Carrera 8a, Garzón.
107) **Ondas Tropicales**, Carrera 51 No. 51-63, Medellin.
108) **Voces de Occidente**, Carrera 14 No. 2-31, Buga.
109) **R. Armero**, Armero.
110) **R. Sutatenza**, Bogota. – **Addr. & L.P.**: as 1).
111) **R. Bolivar**, Av. 8a No. 10-110, Cali.
112) **R. Cordoba**, Carrera 51 (Bolivar) No. 51-63, Medellin.
113) **R. Sevilla**, Carrera 50 entre Calles 49 y 50, Sevilla.
114) **"La Voz de Pamplona"**, Pamplona, N. de Santander. – **D. Prgr.**: 23.00–04.00. – **V.** by QSL-card.
115) **R. Pensilvania**, Pensilvania.
116) **Villa de Céspedes**, Tulua.
117) **R. Chiquinquira**, Boyaca.
118) **Liceo Departemental**, Sonsón.

119) **Emisora Parroquial**, Nomocón.
120) **R. Boyacá**, Boyacá.
121) **La Voz de Maria**, Bogota.
122) **Ondas Nacionales**, Cerrito.
123) **R. Quimbaya**, Quimbaya.
124) **La Voz del Carmelo**, Ospina Perez.
125) **R. Cultural**, Arbelaez.
126) **Escuela Cultural**, Maceo.

★ ECUADOR ★

L.T.: GMT ÷ 5 h. – **L.:** Spanish. **Revrs.:** 100.000.
All stations comm. exc. HCJB

DIRECCION GENERAL DE TELECOMUNICACIONES
Inspector General, Benalcazar 698, Quito.
Short Waves: *=inactive.

	Call	kc/s	m	kW		Call	kc/s	m	kW
1)	HC1GB	3325	90.23	0.25	36)	HC5JE	4980	60.25	0.25
2)		3860	77.80		37)	HC1RQ	4985	60.18	0.25
3)	HC1JH	3950	75.95		38)	HC3DC	4990	60.12	
4)	HC4VC	3950	75.95	0.2	39)	HC5ED	5050	59.41	0.20
1)	HC4GB	3995	75.04	0.2	40)	HC1GP	5055	59.35	0.25
5)	HC1TA	4305	69.68		41)	HC6GB	5200	57.69	0.3
6)	HC2VM	4450	67.40		42)	HC1VG	5720	52.45	0.2
7)	HC8EC	4450	67.40		43)	HC4DC	5785	51.81	0.25
1)	HC4NE	4575	65.70		44)	HC1DF	5800	51.72	0.2
8)	HC2VP	4610	65.08		45)	HC1FM	5943	50.48	0.25
9)	HC2AJ	4650	64.52	1	46)	HC4CA	5950	50.42	0.3
10)	HC4MX	4700	63.83		47)	HC5GE	5965	50.28	0.25
11)	HC5HN	4710	63.60		48)	HC3RF	5975	50.21	0.4
12)	HC2BK	4710	63.78	0.25	49)	HC6PB	5980	50.17	0.3
13)	HC2LB	4720	63.56	0.2	50)	HC6GY	5990	50.08	0.3
14)	HC2VT	4725	63.60		51)	HC1VM*	6000	45.75	0.25
15)	HC4FF	4730	63.50		52)	HC4EB	6015	49.88	0.2
16)	HC1IM	4738	63.32	0.25	53)	HCJB	6050	49.59	1
17)	HC1BF	4750	63.15	0.25	54)	HC1AC	6070	49.42	0.25
18)	HC1AI	4755	63.09	0.3	55)	HC2FB	6130	48.94	0.25
19)	HC4FA	4760	63.03	0.25	56)	HC2AQ	6170	48.62	0.25
20)	HC2GT	4762	62.99	0.25	57)	HC6SP	6205	48.35	0.25
21)	HC5FC	4770	62.89		58)		6210	48.30	0.46
22)	HC2MX	4770	62.89	0.25	59)	HC4RI	6265	47.88	0.3
1)	HC1GB	4770	62.89	5	60)	HC5VA	6557	45.75	0.25
23)	HC1LC	4780	62.76	0.2	61)	HC2LR	6610	45.39	0.3
24)	HC1JT	4780	62.76	0.25	62)	HC2RL	6635	45.21	0.2
25)	HC4AS	4789	62.65	0.25	63)	HC6ON	6745	44.47	0.2
26)	HC4HV	4800	62.50	0.3	64)	HC1IE*	6820	43.99	0.25
27)	HC5SA	4805	62.44	0.25	65)	HC2CA	6985	42.95	0.2
28)	HC3RC	4810	62.37	0.25	66)	HC6FV	7000	42.86	
29)	HC3CV	4850	61.86	0.25	67)	HC6JB	7000	42.86	0.2
30)	HC4RM	4870	61.60	0.25	68)	HC7MT	7000	42.86	
31)	HC1MI	4890	61.35	3	69)	HC2DC*	7350	40.82	0.25
32)	HC5ZC	4900	61.22	0.25	53)	HCJB	9745	30.78	50
33)	HC1RC	4930	60.85	0.25	53)	HCJB	11915	25.18	50
34)	HC2AN	4960	60.48	1	53)	HCJB	15115	19.85	50
35)	HC5HP	4960	60.48	0.25	53)	HCJB	17890	16.77	50

Medium Waves:

	Call	kc/s	kW		Call	kc/s	kW
53)	HCJB	700	20	12)	HC2BK	1220	0.25
53)	HCJB	760	0.5	54)	HC1AB	1280	0.25
23)	HC1LC	824	0.2	1)	HC1GB	1310	5
20)	HC2ET	835	0.25	49)	HC6RT	1355	0.3
40)	HC1RP	880	0.2	37)	HC1RQ	1360	0.25
9)	HC2AK	1050	1	31)	HC1MI	1410	0.25
39)	HC5AE	1090	0.2	33)	HC1BX	1430	0.25
17)	HC1BD	1111	0.25	22)	HC2MB	1430	0.25
13)	HC2LA	1115	0.2	56)	HC2AQ	1450	0.2
55)	HC2FB	1140	2	47)	HC5GE	1480	0.25
36)	HC5JE	1200	0.25		+ 38 low power st.		

1) **R. Nacional Espejo: HC1GB:** Otavalo. – **HC4GB:** P.O. Box 1662, Esmeraldas. **L.P.:** Mgr.: H.A.Endara. – **HC1GB:** Esmeraldas 85, Quita. – **D. Prgr.:** 24 h. V. by QSL-card. – **HC6GB:** Ambato.
2) **La Voz de Los Lagos**, Otavalo.
3) **Radio Turismo**, Otavalo.
4) **La Voz de Chone**, Chone.
5) **R. Escuelas Radiales**, Lita.
6) **La Voz del Milagro**, Milagro.
7) **R. Central**, Vinces.
8) **R. Atalaya**, Rumichaca 930, Guayaquil: 13.30–05.00.
9) **R.dif. del Ecuador**, Av. Olmedo 111, Guayaquil.
10) **Radiodifusora Cenit**, Portoviejo.
11) **R. Hermig**, Cuenca.
12) **R. El Mundo**, 9 de Octubre 308, Guayaquil: 12.00–03.00.
13) **R. America**, Luque 910, Guayaquil.
14) **La Voz del Tropico**, Quevedo.
15) **La Voz de Esmeraldas**, Esmeraldas.
16) **La Voz de Imbabura**, Apt. 59, Ibarra. V. by QSL-card.
17) **R. Comercial**, Benalcazar 753, Quito.
18) **R. Bolivar**, Guaranda.
19) **La Voz de Manabi**, Portoviejo: 01.00–03.30.
20) **R. El Telegrafo**, 10 de Agosto 601, Guayaquil.
21) **R. Deportiva Chimborazo**, Riobamba.
22) **R. Guayaquil**, Guayaquil.
23) **R. Atahualpa**, Sucre 251, Quito. 11.30–04.00.
24) **R. Tulcan**, Tulcan.
25) **La Voz de los Caras**, Bahia de Caraque.
26) **La Voz de Jipijapa**, Jipijapa.
27) **R. Amazonas**, Cuenca.
28) **R. Coro Santa Cecilia**, Loja.
29) **Ondas del Zamora**, Loja.
30) **R. Miramar**, Bahia de Caraquez.
31) **Emisora Gran Colombia**, Casilla 2246, Quito. – **D. Prgr.:** 1410 kc/s 10.45–06.00. 4890 kc/s: 10.45–14.00, 17.00–20.00, 23.00–06.00. – **V.** by QSL-card or letter.
32) **La Voz de Riobamba**, Riobamba.
33) **Radiodifusora Casa de la Cultura**, Av. 6 Deciembre 352, Quito. – **D. Prgr.:** 11.30–13.00, 17.00–19.00, 00.00–03.15. – **V.** by QSL-card.
34) **R. Cenit**, 9 de Octubre 608, P. O. Box 171, Guayaquil. – **L.P.:** Dir. Gen.: W. Delgado C. Dir. Tec.: F. Casal. – **D. Prgr.:** 11.00–15.00, 16.00–20.00, 22.30–04.15. – **N.:** 11.00, 23.30, 04.00. – **Nat. Music:** Wed.& Fri. 02.00–04.00. **English:** irregular. – **ANN.:** "Transmitiendo R.dif. Cenit, Guayaquil, puerto principal de la Republica del Ecuador, país situado sobre la linea Equinoccial, en elcorazón del Mundo." – **INT.-SIG.:** Chinese Serenade. – **V.** by letter. – **F.PL.:** new st. 5–10 kW in 1958.
35) **Ondas Ecuatorianas**, Riobamba.
36) **Ondas Azuayas**, Cuenca.
37) **Radio Quito**, Edif. El Comercio, Quito.
38) **Ondas Castellanas**, Loja.
39) **Radio Roxi**, Riobamba. 13.00–03.00.
40) **R. Catolica**, Maldonado y Rocafuerte, Quito.
42) **La Voz de Montufar**, San Gabriel.
43) **Radiodifusora Cenit**, Manta.
44) **La Voz del Norte**, Ibarra.
45) **R. Equinoccial**, Ibarra.
46) **R. Costa Azul**, Portoviejo.
47) **R. Mundial**, Riobamba. – **D. Prgr.:** 13.00–04.00.
48) **R. Fatima**, Loja.
49) **R. Paz y Bien**, Ambato.
50) **Radio Luz**, Ambato. – **D. Prgr.:** 11.00–14.00, 17.30–19.30, 22.00–01.00, 02.00–04.00.–51) As 44.
52) **La Voz de Manta**, Manta. 16.30–18.00, 22.30–04.00.
53) **LA VOZ DE LOS ANDES**
International Missionary Station. Owned and operated by the World Radio Missionary Fellowship Incorporated, Talcotuille, Conn. – **ADDR.:** Casilla 691, Quito. **Cable:** Vozandes. – **L.P.:** Dir. Gen.: Abe C.Van der Puy. Mgr.: B. Cummings. Dir. Prgr.: R. Savage. Dir. Tec.: F. Cook. Dir. Press.: R. Ariaz.

D. PRGR.:

Spanish*):	m.b.
10.30–14.00 D.	19, 25, 31, 49, 428
14.00–17.00 W.	49, 428
14.00–17.00 Sun.	19, 31, 49, 428
17.00–19.30 W.	19, 25, 31, 49, 428
17.00–19.30 Sun.	16, 19, 31, 49, 428
19.30–24.00 (Sat.)	19, 49, 428
19.30–23.30 (Sun.)	31, 49, 428
21.45–24.00 Mo.-Fri.	31, 49, 428
00.00(Sun. 23.30)–02.00	19, 25, 31, 49, 428
02.00–04.10 exc. Tues.	49, 428
06.00–06.30 exc. Tues.	19, 25, 31

*) All programmes carried in Spanish on 428 m (Located in Pifo) are simultaneously carried on 349 m with a new transmitter located in Quito and operating with 500 Watts power. All programmes beamed to N. and S. America exc. 06.00–06.30 to Spain & Mexico. Cultural prgrs. are broadcast every Mo. at 23.00–Tues. 02.00 on 349 m. only. "E. by R.": Wed Thurs. Fri. 02.30.

English:		m.b.
06.30–10.00 (exc. Tues.) to	Pa.	19, 25, 31, 49
14.00–16.00 (exc. Mo.)		19, 25 (or 16)
21.00–22.30 (exc. Mo.)	Eu.	19, 25 (or 16)
02.00–04.00 (exc. Tues.) to	N., S. America	19, 25 ,31
04.00–05.00 (exc. Tues.) to	N., S. America	19, 25, 31, 49
French:		
20.00–20.30 (exc. Mo.)	Eu.	19, 25 (or 16)
German:		
19.30–20.00 (exc. Mo.)	Eu.	19, 25 (or 16)
23.00–23.30 (exc. Mo.)	Eu.	19, 25 (or 16)
05.00–05.30 (exc. Tues.)	Eu., S. America	19, 25, 31, 49
Portuguese:		
23.30–24.00 (exc.Sun.,Mo.)	Eu., Brazil	19, 25 (or 16)

Russian:

10.00–10.30 (exc. Tues.)	Pa.	19, 25, 31, 49
16.00–17.00 (Sun.)	Eu.	19, 25 (or 16)
19.00–19.30 (exc. Mo.)	Eu.	19, 25 (or 16)
22.30–23.00 (exc. Mo.)	Eu.	19, 25 (or 16)
05.30–06.00 (exc. Tues.)	Eu., S. America	19, 25, 31, 49

Swedish:

20.30–21.00 (exc. Mo.)	Eu.	19, 25 (or 16)

Ukrainian:

17.00–17.30 (exc. Sun., Mo.)	to Eu.	19, 25 (or 16)

Note: Our new dual freq. tr. is now in complete operation. It can operate on any of the following combinations simultaneously: 16 and 19 m, 19 and 25 m, 25 and 31m, and has a total of 70.000 watts of power in such operation.
ANN.: E.: "This is the Voice of the Andes, Radio Stations HCJB, transmitting from high in the Andes Mts. at Quito, Ecuador." – **Sp.:** "Estas son las Radiodifusoras HCJB, La Voz de los Andes transmitiendo desde Quito, Ecuador en la America del Sur." – **INT.-SIG.:** Electronic sig. --- three short and one long stroke. – **V.** by QSL-card or by letter or both. – **F. PL.:** 50 kW mw. st. 1958.
54) **La Voz de la Democracia,** Caldas 501, Quito. 11.30–04.30.
55) **R. Nac. Condor,** Boyaca 1205, Guayaquil. – 10.00–05.00. – **V.** by QSL-card.
56) **R. Ortiz Nueva,** Esmeraldas 1912, Guayaquil. 14.00–04.00.
57) **R. Cosmopolita,** Ambato.
58) **R. San Miguel de Ibarra,** Apt. 181, Ibarra. **D. Prgr.:** 15.00–18.30, 22.00–03.15. – **V** by letter.
59) **Radio Iris,** Esmeraldas.
60) **La Voz de Azogues,** Canar.
61) **La Voz de Alausi,** Alausi.
62) **Quinta Piedad,** P. O. Box 307, Guayaquil. – 02.00–04.00 (Wed.).
63) **R. 11 de Noviembre,** Latacunga.
64) As 45).
65) **R. Costa Azul,** Salinas.
66) **La Voz del Cotopaxi,** Latacunga.
67) **La Voz de Salcedo,** Salcedo.
68) **La Voz Region Oriental,** Tena.
69) As 34).

★ FALKLAND ISLANDS ★

L.T.: GMT ÷ 4 h. – **L.:** English. – **Revrs.:** 500.
FALKLAND ISLANDS BROADCASTING SERVICE (Go.)
The service is designed primarily for the people of the Falkland Islands, but also the Falkland Island Dependencies, many miles to the south, where there are isolated British Bases in Grahamland, the South Shetland and South Orkney Islands.
ADDR.: The Director of Broadcasting, Stanley. **Cable:** Broadcasts. – **L.P.:** Dir.: Victor Harrison. Chief Eng.: A. Mercer.
HOME SERVICE: 585 kc/s 513 m 3958 kc/s 75.78 m – 0.5 kW.
Mo.–Fri. 22.45–01.00. Sat. 22.45–02.00. Sun. 22.00–01.00.
ANN.: "This is Falkland Islands Broadcasting Station at Stanley". – **V.** by letters Reports from S. America only.

★ GUIANA (British) ★

L.T.: GMT ÷ 3 ¾ h. – **L.:** English. – **Revrs.:** 30.000.
BRITISH GUIANA BROADC. CO. LTD. (Comm.)
ADDR.: St.Phillip's Green, Hight Street, Georgetown. **Cable:** "Broadcast". – **L.P.:** Mgr.: P.E.M. Hesketh. Dir. Prgr.: R.A. Khan. Dir. Tec.: E.R. McDowell.
HOME SERVICE: ZFY:
660 kc/s 455 m 10 kW: D. 09.15–02.45
3255 – 92.15 – 2 – : D. 20.00–02.45
5981 – 50.17 – 2 – : D. 09.15–20.00
N.: D.: (BBC): 11.00, 13.00 (W), 16.00, 20.00, 23.00. **Local:** 09.45, 11.15, 16.10, 20.10, 21.10, 00.45. – **Mbg.:** D. 13.15, 20.15, 02.15. – **Prgrs. in Hindustani:** Mo. 00.15, Sat. 21.45. Sun. 17.15.
ANN.: "This is Radio Demerara, British Guiana". – **V.** by QSL-card.

★ GUIANA (French) ★

L.T.: GMT ÷ 4 h. – **L.:** French.
RADIO CAYENNE (Go.)
ADDR.: Radiodiffusion Francaise, Prefecture de la Guyane, Cayenne.
HOME SCE.: 6199 kc/s 48.39 m 0.35 kW: 22.30–23.30.
ANN.: "Ici Cayenne, Radiodiffusion Francaise". – **V.** by QSL-card.

★ PARAGUAY ★

L.T.: GMT 4 h. – **L.:** Spanish. – **Revrs.:** 80.000. – All stations comm. exc. R. Nacional.
Short Waves:

Call	kc/s	m	kW	Call	kc/s	m	kW
1) ZPA1	5975	50.22	3	4) ZPA3	11850	25.32	12
2) ZPA10	6025	49.79	2	5) ZPA5	11990	25.02	3
3) ZPA8	6400	46.88	0.01	6) ZPA7	15200	19.74	

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW	Call	kc/s	kW
4) ZP3	700	10	5) ZP5	920	5	2) ZP10	1300	5
6) ZP7	900	2.5	7) ZP9	970	1.5	9) ZP6	1330	1
			8) ZP11	1200	1	1) ZP1	1360	0.4

1) **R. Nacional del Paraguay,** Coronel Martinez 224, Asuncion. – **D. Prgr.:** 15.00–17.00, 22.30–03.00. – **V.** by QSL-card.
2) **R. Paraguay,** Av. Dr. Gasper Rodriguez de Francia 123, Asuncion. – **L.P.:** Dir. G.H. Mora. Mgr.: J.C. Denis. Dir. Prgr.: D. Fernandez. Dir. Tec.: P. Pereira. – **D. Prgr.:** 10.15–03.00 in Spanish & English. – **V.** by QSL-card. R.p.
3) **R. Ypir,** Concepcion. – **L.P.:** Dir. F.N. Ortiz.
4) **R. Teleco,** Teleco Paraguaya S. A. Calle Azara 56, Asuncion. – **L.P.:** Dir. E. Friedman. – **D. Prgr.:** 11.35–18.05, 22.00–02.05. – **ANN.:** "ZP3 yZPA3 Radio Teleco de Asuncion, Republica del Paraguay". – **V.** by QSL-card.
5) **R. Encarnacion,** Encarnacion. – **Cable:** Madelaire. – **L.P.:** Pres.: C. Madelaire. Dir. of Broadc.: C. Madelaire jr. – **D. Prgr.:** 11.00–23.15.
German: Sun. 18.30–19.45 – **Guarani** (a native language) Mo., Wed., Fri.: 11.30.
ANN.: "ZP5 yZPA5, Radio Encarnacion de la Ciudad de Encarnacion en Paraguay. – **V.** by QSL-card. Reports in Sp. or G.
6) **R. Guarani,** Independencia Nacional 703, Asuncion. – **L.P.:** Dir.: C.M. Saccarello. – **D. Prgr.:** 23.00–01.00. – **V.** by letter.
7) **R. La Capital,** Asuncion. – **L.P.:** Dir. E. Bajac.
8) **R. Charitas,** Asuncion. – **L.P.:** Dir. F. Order.
9) **R. Guaira,** Villarrica. – **L.P.:** Dir. E.T. Vasquez.

★ PERU ★

L.T.: GMT ÷ 5 h. – **L.:** Spanish. – **Revrs.:** 500.000.
All stations commercial exc. R. Nacional & R. Mundial (Go.)
NATIONAL ASSOCIATION OF BROADCASTING STATIONS IN PERU
ADDR.: A cargo de "Radio Victoria", Bajos de la Cabaña, Paseo de la Republica, Lima.
Short Waves: *= inactive

Call	kc/s	m	kW	Call	kc/s	m	kW
1) OBX4U	3240	52.59	0.5	23) OAX1A	6150	48.78	0.25
2) OBX4Y	3300	90.85	0.35	24) OBX4G	6153	48.75	0.5
3) OAX1M	3330	90.09	0.5	25) OCX4G	6160	48.70	1
4) OAX5J	3350	89.55	0.3	26) OAX7C	6175	48.58	0.3
5) OAX1D	3380	88.76	0.3	27) OAX4P	6180	48.54	0.3
6) OAX2G	4770	62.89	0.5	28) OAX4G	6190	48.47	0.25
7) OCX4B	4860	61.73	0.3	29) OAX1B	6198	48.41	0.3
8) OCX4E	4880	61.49	0.75	30) OAX2A	6200	48.39	0.25
9) OAX2H	4910	61.10	0.45	31) OAX6E	6330	47.39	0.3
10) OAX5O	5010	59.88	1	19) OAX8C	9335	32.14	0.3
11) OAX4P	5955	50.38	0.25	1) OAX4W	9415	31.87	0.5
12) OAX7L	5960	50.34	1	32) OAX4J	9488	31.62	0.25
13) OBX4Q	5970	50.25	10	33) OAX6H	9505	31.56	0.1
14) OBX4M	5980	50.17	0.5	19) OAX6G	9530	31.48	0.3
1) OAX4V	5990	50.08	0.5	34) OAX4K	9545	31.43	0.3
15) OAX4Q	6020	49.83	1	19) OAX4T	9562	31.37	40
16) OAX6B	6035	49.71	0.15	35) OBX4K	9585	31.30	0.3
17) OAX6A	6042	49.65	0.25	36) OAX5C	9590	31.28	0.2
18) OAX4S	6070	49.42	0.3	37) OAX8K	9625	31.17	1
19) OAX4Z	6082	49.32	40	19) *OBX4R	11914	25.18	40
20) OAX4H	6095	49.22	1	19) *OAX4T	15150	19.80	40
21) OBX4Z	6115	49.06	1	13) OBX4C	15190	19.75	1
22) OAX7A	6128	48.96	0.1	19) *OBX4T	21600	13.90	40
				13) FM:OBX4F	90.1 mc/s		

Medium Waves:

Call	kc/s	kW	Call	kc/s	kW
21) OBX4L	590	10	42) OAX3B	1160	0.5
10) OAX5P	620	1	26) OAX7B	1200	0.3
4) OAX5E	730	1	28) OAX4B	1200	1
38) OBX4S	730	1	27) OAX4L	1250	1.5
39) OAX1Y	750	0.25	19) OAX6D	1250	1
15) OAX4X	780	10	36) OAX5B	1270	0.2
40) OAX4O	820	0.25	43) OAX4M	1300	1.5
19) OAX4A	854	20	32) OAX4I	1320	10
3) OAX1D	890	0.5	44) OAX5D	1340	0.3
13) OBX4X	900	10	5) OAX1E	1340	1
34) OAX4E	930	0.75	24) OAX4I	1360	1.5
14) OAX4D	960	5	31) OAX6C	1370	0.25
1) OAX4U	1010	10	6) OAX2D	1370	0.5
18) OBX4O	1030	1.5	2) OBX4V	1370	0.5
19) OAX8A	1030	1	7) OBX4W	1400	0.3
12) OAX7N	1030	1	30) OAX2B	1400	0.25
20) OAX4F	1080	0.25	16) OAX6J	1400	0.3
19) OBX4A	1120	10	32) OAX5B	1460	0.2
35) OAX4N	1130	0.35	45) OAX3C	1460	0.5
41) OAX7H	1130	0.5	46) OBX4E	1470	0.3
8) OAX4C	1160	0.75	22) OAX7G	1470	0.15
9) OAX2C	1160	1	37) OAX8J	1490	1

47)	OCX4J	1510	0.1	49)	OAX8D	1520	0.5
48)	OBX4D	1520	0.5	50)	OBX4N	1540	0.3
23)	OAX1C	1520	0.15	25)	OCX4F	1580	1

CADENA NACINAL S. A., Bajos "La Cabaña", Paseo de la Republica, Lima, operates st.'s 2) 6) 36) 42) and 45) and will verify reports.
EMISORAS NACIONALES S.A., Jirón Ocoña 476, Lima, operates st.'s 3), 4) and 5) and will verify reports.
1) **R. America**, Cia Peruana S.A., Jirón Ocoña No. 476, Lima. **D. Prgr.**: 13.00–15.00 (Sat. 06.00) – **English**: 13.10–14.00
2) **R. Junin**, Huancayo.
3) **R. Progreso**, Calle de Huanuco 484–470, Piura.
4) **R. Independencia**, Calle Chiclayo 268, Ica.
5) **R. Chiclayo**, Edificio Banco Popular, Chiclayo.
6) **R. Cajamarca**, Cajamarca.
7) **R. El Pueblo**, Bajos ex "La Cabaña", Lima.
8) **Radiofusora 1160**, Av. Alf. Ugarte 980, Lima.
9) **R. Libertad**, Casilla Postal 247, Trujillo. – **L.P.**: Dir. Gen. C. Burmester L. Mgr.: B.L. de Burmester. Dir. Tec.: D. Chichizola, R. Reyes. – **D. Prgr.**: 12.00–04.00 – V. by letter.
10) **R. Pisco**, Huayna Capac 1345, Lima.
11) **R. Huancayo**, Av. Giraldez 368, Huancayo.
12) **La Voz del Altiplano**, Calle Lima No. 700, Puno. – **L.P.**: Dir. Gen.: J. Z. Gonzalez. Dir. Tec.: R. Lazo B. Dir. of Foreign Relations: M. Valdivia. – **D. Prgr.**: 22.00–05.00. – **N.**: 00.00, 01.00, 01.30, 02.00, 03.00. – **Wrp.**:02.00. **Nat.Music**: 23.00, 01.05, 04.30. – **Mbg.**: Mo. 03.05. – **INT.-SIG.**:"Cerrito de Huacsapata." – V. by QSL-card. – **PUB.**: Monthly Prgr.bulletin on request to: Casilla de Correo 130, Puno.
13) **R. El Sol**, Cia. de Producciones Radiales y Television, **Pasaje Velarde** 106, Lima. – **D. Prgr.**: 12.00–05.00.
14) **R. Panamericana**, Union 1042, Lima.
15) **R. Victoria**, Emp. Radiodif. Victoria Bajos de ex. "La Cabaña", Lima. – **D. Prgr.**: 12.30–05.00 (Sat. 06.00).
16) **R. Landa**, Sucre No. 409, Arequipa. – **L.P.**: M. J. Landa. – **D. Prgr.** – **D. Prgr.**: 13.00–05.00. – V. by QSL-card.
17) **R. Arequipa**, Arequipa. – **D. Prgr.**: 23.00–04.00.
18) **R. San Cristobal**, Jiron Huallaga no. 515. Lima. – **L.P.**: O: J.D. Montoya – **D. Prgr.**: 11.15–05.00. – **ANN.**: "Estas son las Emisoras de Radio San Cristobal, desde Lima, Peru. " **E.**: "This is the San Cristobal Radio in Lima, Peru." – **INT.-SIG.**: The first bars of "My Concerto" by Camarata. – V. by QSL-card.
19) **R. Nacional**, Av. P. Thouars No. 441, Lima (for all stations) – **Cable**: "Radiofuso" **L.P.**: Dir. C.M.Quezada. **D. Prgr.**: 12.00–05.00. **German**: Sat. 23.30–24.00. **ANN.**: "Radio Nacional del Peru, la primera emisora del pais." – V. by QSL-card.
R. Nacional, Iquitos: **D. Prgr.**: 23.00–04.00. – **R. Nacional, Tacna**: **D. Prgr.**: 22.00–05.00.
20) **R. Mundial**, Lima. – **D. Prgr.**: 12.30–05.00.
21) **R. Luz**, Av. Tacna 547, 7° piso, Lima.
22) **R. Cuzco**, Sappi 601, Cuzco. – **L.P.**: Dir. C. Lizárraga F. – **D. Prgr.**: 23.00–04.00 – V. by QSL-card.
23) **R. Delcar**, Chiclayo. – **D. Prgr.**: 23.00–05.00.
24) **R. Exelcior**, Lima. – **D. Prgr.**: 12.00–05.00.
25) **R. Mundo**, Av. Giraldez No. 390, Huancayo. –
26) **R. Tahuantisuyo**, Portal Comercio No. 165, Cuzco. —
27) **R. Miraflores**, Miraflores. – **D. Prgr.**: 13.00–05.00.
28) **R. Lima**, Lima. – **D. Prgr.**: 12.00–05.00.
29) **R. Piura**, Piura. – **D. Prgr.**: 12.00–04.30.
30) **R. Trujillo**, Casilla 338, Trujillo. – **D. Prgr.**: 23.00–04.30. – **ANN.**: "La Voz del Norte del Peru".
31) **R. Continental**, Teatro Municipal, Arequipa. – **D. Prgr.**: 12.30–05.00. – **ANN.**: "Emisoras de R. Continental desde Arequipa".
32) **R. La Cronica**, Av. Tacna No. 655, Lima. – **D. Prgr.**: 12.00–05.00. "Show Time": Tues: 03.00 (English).
33) **R. Tacna**, Amiceto Ibarra 436, Tacna. – **L.P.**: Dir. J.C. Berual. – **D. Prgr.**: 12.00–04.00. – V. by letter.
34) **R. Central**, Jirón Union 1038, Lima. – **D. Prgr.**: 12.30–05.00. – **ANN.**: "R. Central, la emisora mas popular."
35) **R. Selecta**, Colmena, Izquierda No. 214, Lima. –
36) **R. Ica**, Ica.
37) **R. Atlantida**, S. Martin 126, Iquitos. **D. Prgr.**: 11.00–05.00.
38) **R. Sport**, Av. Higgins No. 156, Lima –
39) **R. Piura**, Saenz Peña 392 Chiclayo.
40) **R. Libertad**, Jirón Union No. 1038, Lima.
41) **R. Puno**, Puno. – 42) **R. Huaraz**, Huaraz. — 43) **R. Atalaya**, Av. Abancay 235 3° piso, Lima. – 44) **R. Chincha**, Los Angeles 328, Chincha. – 45) **R. Huanuco**, Huanuco. – 46) **R. Restauración**, Huancalevica 895, Lima. – 47) **R. Tarma**, Huaráz No. 198, Tarma. – 48) **R. Reloj**, Colmena Der., Edificio Castillo, Lima. – 49) **R. Iquitos**, Iquitos. – 50) **R. Corporación**, Cerro de Pasco.

★ SURINAM (Dutch Guiana) ★

L.T.: GMT÷3²/₃ h. – **L.**: Dutch, English, Hindustani, Javanese. **Rcvrs.**: 10.000.
ALGEMEENE VEREENIGING RADIO OMROEP (Comm.)
ADDR.: A.V.R.O.S., Cultuurtuinlaan, P.O. Box 720. Paramaribo. **L.P.**: Dir. Gen.: W.H. Lionarons. Dir. Tec.: E. Emanuels.
HOME SCE.:
PZH5 920 kc/s 328 m 0.35 kW. – PZC 15405 kc/s 19.48 m 1 kW. 4850 kc/s 61.86 m 0.35 kW. – **Dutch**: On 920/4850 kc/s: 09.30–11.30, 13.00–16.30. On 920/15405 kc/s: 19.30–01.30.
Folk Music: Creole Tues. 23.30–01.15. **Hindustani**: Fri. 23.30–01.30. **Javanese**: Thurs. 01.00–01.30. **English & Spanish**: 15405 kc/s: 01.30–02.00. – **English**: Sun. 12.30–13.00. – **ANN.**: **Home Service**: **Dutch**: "U luistert naar Radio Suriname de Avros". – **E.**: This is the AVROS-broadcasting station in Paramaribo, capital of Suriname, one of your neighbours in South America.
FOREIGN SCE. in Dutch. E., Sp.: 15405 kc/s 21.30–01.30 to Carribean. – **ANN.**: **Sp.**: "Esta es Radio Surinam, la AVROS, en Paramaribo, capital de Surinam, uno de sus vecinos en la America del Sur." – V. by letter.

★ URUGUAY ★

L.T.: GMT ÷ 3 h. – **L.**: Spanish. – **Rcvrs.**: 500.000.
ASOCIACION NACIONAL DE BROADCASTERS URUGUAYOS (A.N.D.E.B.U.)
ADDR.: Uruguay 1218, Montevideo. – **L.P.**: Pres.: Luis A.Artola. Secretary: Raul Beisso Corchs.
ST.: 4), 6), 10), 13) & 42) Go. – All other priv. comm. *=inactive.

Sh. Waves:		kc/s	m	kW		Call	kc/s	m	kW
1)	CX28	4910	61.10	0.1	10)	CXA8	9640	31.12	3
1)	CW43b	4910	61.10	0.1	11)	CXA7	11735	25.56	5
2)	CXA2	6000	50.00	5	12)	CXA19	11835	25.35	5
3)	CXA30	6035	49.71	1	9)	CXA68	11885	25.24	10
4)	CXA14	6055	49.55	5	6)	CXA10	11900	25.21	10
5)	CXA3	6075	49.38	2.5	6)	CXA55*	11965	25.07	
6)	CXA4	6125	48.98	10	13)	CXA64	15225	19.70	
7)	CXA13	6155	48.74	10	9)	CXA60	15385	19.50	10
8)	CXA21	6170	48.62	1	13)	CXA57	17715	16.93	
9)	CXA71	9515	31.53	10	13)	CXA54	17895	16.76	
6)	CXA6	9620	31.19	20	13)	CXA65	25855	11.61	

Medium Waves:

	Call	kc/s	kW		Call	kc/s	kW		Call	kc/s	kW
14)	CWI	550	4.5	20)	CW31	1120	2	31)	CX44	1410	5
15)	CX4	610	5	3)	CX30	1130	5	32)	CW43	1420	0.5
6)	CX6	650	25	2)	CX32	1170	5	33)	CW25	1430	1
16)	CW27	680	1	21)	CW33	1200	0.25	3)	CX46	1450	1.5
9)	CX8	690	10	22)	CX34	1210		34)	CW46b	1460	
5)	CX10	730	5	23)	CW35	1240	2	35)	CW46c	1460	
11)	CX12	770	25	24)	CX36	1250	1	36)	CW47	1470	0.3
12)	CX14	810	15	12)	CW37	1260	1	1)	CW43b	1480	1
17)	CW23	820	1	6)	CX38	1290	10	37)	CX48	1490	
7)	CX16	850	50	25)	CW39	1320	0.5	38)	CW47a	1510	0.1
12)	CX18	890	10/5	8)	CX40	1330	25	38)	CW47b	1510	0.1
18)	CX20	930	5	26)	CW53	1340	2.5	39)	CX50	1530	0.3
19)	CX22	970	1	27)	CW41	1360	0.5	40)	CW51	1560	0.5
7)	CX24	1010	2.5	28)	CX42	1370	1	41)	CW52	1570	0.15
6)	CX26	1050	20	29)	CW45	1390	0.25	42)	CW19	1580	
1)	CX28	1090	10	30)	CW46a	1400	10				

1) **R. Internacional**, Av. Agraciada 1708, Montevideo. – **L.P.**: Owner, Adm. Dir. Tec.: W. F. Moran. – **D. Prgr.**: 10.30–02.00 (Sat. 05.00). – V. by QSL-card in colours.
2) **R. Nacional**, Comp. Urug. de Publicidad, Yi 1383, Montevideo. – **D. Prgr.**: 10.00–03.00. – **ANN.**: "Sras i Sra tengan Uds. muy buenos dias CX32, R. Sur Uruguay y su emisora en onda corta CXA2."
3) **R. Nacional, CX46** – **R. America**, O.R.O., S.A., Plaza Independencia 846 1er piso, Palacio Salvo, Montevideo – **D. Prgr.**: CXA30: 15.00–03.00. CX30: 09.58–03.00. CX46: 11.00–03.00. – V. by QSL-card.
4) **Servicio de Informacion y Prensa**, Ministerio de Ganaderia y Agricultura, 25 de Mayo 385, Montevideo. – **D. Prgr.**: 13.00–16.00.
5) **R. Ariel**, 18 de Julio 1460, Montevideo. – **L.P.**: Dir.: J. M. Getoso and L. B. Berres. – **D. Prgr.**: 10.00–03.00. – **ANN.**: "Difusoras Ariel, por intermedio de sus ondas CX10 en 730 kc/s y CAX3 en la banda de 49 m." – V.by QSL-card.
6) **Servicio Oficial de Difusion Radio Electrica (S.O.D.R.E.)**, Calle Andes No. 1465, Montevideo. – **L.P.**: Board of Directors: Pres.: M. M. de Garcia Capurro. Sec.: R. Svetogoski. Dir. Foreign Relations: J. Ilaria. – Mgr.: H. M. Laborde. Dir. Prgr.: N. C. Scelta. Dir. Tec.: C. Mazzey. Dir. Inf.: M. Rivera. – **Cable**: SODRE. – **D .Prgr.**: CXA4: 13.00–03.10; CXA6/CX6/CX26: 12.00–03.10; CX38: 21.00–03.00. – **ANN.**: "Servicio Oficial de Difusion Radio Electrica Montevideo con sus emisoras..." – **INT.-SIG.**: First movements of "Campo." – V. by QSL-card.
7) **R. Carve, CX24** – **La Voz del Aire**, SADREP LTDA., Mercedes 973, Montevideo. – **D. Prgr.**: CXA13: 14.00–18.00, 22.00–03.00; CX16: 10.30–03.00. CX24: 11.25–03.00. – V. by QSL-card.
8) **R. Fenix**, Rio Branco 1366, Montevideo. – **L.P.**: Dir.: Julio J. Rabassa. – **D. Prgr.**: CXA21: 14.00–17.00, 21.00–01.00; CX40: 10.00–05.00 (Sat. 06.00).
9) **R. Sarandi**, Corporacion de Publicidad S.A., Bulevard Artigas 1515, Montevideo. – **L.P.**: Dir. Gen.: R. B. Corchs. Dir. Prgr.: A. Devita.

Dir. Tec.: C. B. Corchs. Dir. Foreign Relations: H. Nuñez. – **D. Prgr.:** CXA71/CXA68/CXA60: 15.00–17.00, 20.00–02.00 (3 days a week in Spanish to Am., 3 days a week in English to Eu.); CX8: 10.40–03.00. – **V.** by letter. – **F.PL.:** Increase power.

10) **R. Real de San Carlos,** Gral. Flores 30, Colonia. – **D. Prgr.:** 15.00–17.00, 20.00–01.00.

11) **R. Oriental,** Olimar 1364, Montevideo. – **L.P.:** Dir.: L. A. Artola. – **D. Prgr.:** CXA7: 11.00–15.00, 20.00–02.00; CX12: 11.00–(Sun. 12.00) 02.00 (Sat. 03.00).

12) CXA19/CXA14 **El Espectador/CX18 R. Libertad Sport,** Difusoras del Urugay S.A., 18 de Julio 1393, Montevideo. – **D. Prgr.:** CXA19/CX14: 10.55–03.00; CX18: 11.00–03.00. – **CW37 – Difusora Rochense,** Dr. Julian Graña 119, Rocha. – **D. Prgr.:** 11.00–01.00 (Sat. & Sun. 03.00).

13) **Servicio de Transmisiones,** Montevideo. – **D. Prgr.:** CXA64: 01.00–03.00; CXA57: 14.00–17.00; CXA54: 23.00–01.00; CXA65: 12.00–22.00.

14) **R. Colonia,** A. Mendez 164, Colonia. – **L.P.:** O.: Bernotti and Montellano. – **D. Prgr.:** 09.45–05.00 (Fri. 06.00, Sat. 09.00). **German:** D. 23.45–00.30 (rel from CW 47).

15) **R. Rural,** Diario Rural S.A., 18 de Julio 1513. Montevideo. – **D. Prgr.:** 09.58–03.00 (Sat./Sun. 06.00).

16) **R. Tabaré,** Uruguay 678, Salto. – **L.P.:** L. B. Berres. – **D. Prgr.:** 10.00–03.00.

17) **R. Cultural,** Lavalleja 42–48, Salto. – **L.P.:** O.: R. J. Vinci & H. J. Carbone. – **D. Prgr.:** 10.00 (Sun. 11.00)–03.00.

18) **R. Montecarlo,** 18 de Julio 1224, 4° piso, Montevideo. – **L.P.:** Sra. M. E. S. de Martinez Arboleya. – **D. Prgr.:** 10.00–03.00.

19) **R. Universal,** Soriano 1217, Montevideo. – **L.P.:** O.: H. Hnos. – **D. Prgr.:** 10.00–03.00 (Sat. 05.00).

20) **R. Salto,** Brazil esq. Amorin, Salto. – **L.P.:** O.: S. E. Pera. – **D. Prgr.:** 11.00–03.00.

21) **Difusora Florida,** – Gallinal 696, Florida. – **D. Prgr.:** 13.00 (Sun. 12.30)–02.00.

22) **R. Artigas,** Av. Millan 2370, Montevideo. – **L.P.:** O.: A. Canépa y Cia. – **D. Prgr.:** 12.30–02.30.

23) **R. Paysandu,** 18 de Julio 1044, Paysandu. – **L.P.:** O.: A. M. Ordoqui. – **D. Prgr.:** 11.00–03.00.

24) **Broadcasting Centenario del Uruguay,** Olimar 1364, Montevideo. – **L.P.:** O.: Vazquez y Walder Ltda., – **D. Prgr.:** 10.15–03.00.

25) **La Voz de Paysandu,** 18 de Julio 614, Paysandú. – **L.P.:** Dir.: M. A. Penna. – **D. Prgr.:** 12.00–03.00.

26) **La Voz de Melo,** Montevideo 721, Melo. – **L.P.:** Dir.: R. D. Lucas. – **D. Prgr.:** 11.00–03.00.

27) **Broadcasting San José,** Treinta y Tres 890, San José. – **L.P.:** Dir.: R. S. Marti. – **V.** by QSL-card.

28) **R. del Pueblo,** Mercedes 1805, Montevideo. – **L.P.:** O.: H. Vernazza. – **D. Prgr.:** 12.45 (Sun. 11.30)–02.30.

29) **Difusora Treinta y Tres,** Zufriategui 230, Treinta y Tres. – **D. Prgr.:** 12.30–02.30 (Sat. 03.00).

30) **Dif. Zorilla de San Martin,** 18 de Julio 310, Tacuarembo. – **L.P.:** O.: Dir.: L. S. Dini. – **D. Prgr.:** 10.00–02.00. – **V.** by QSL-card.

31) **R. Solis,** 18 de Julio 965, 2° piso, Montevideo. – **L.P.:** Dir.: C. M. U. Braga. – **D. Prgr.:** 10.30–03.00.

32) **R. Lavalleja,** José E. Rodó 530, Minas. – **L.P.:** Dir.: J. R. Volante. – **D. Prgr.:** 12.55–02.00.

33) **R. Durazno,** 18 de Julio 592, Durazno. – **L.P.:** O.: Artola, Evangelisti y Cia. – **D. Prgr.:** 14.00–00.30.

34) **Licio de Dolores,** Dolores Soriano.

35) **Licio de San Carlos,** San Carlos, Maldonado. – **D. Prgr.:** 21.00–24.00 (Sun. 10.00–13.00).

36) **R. Montevideo,** Rio. Branco 1366, Montevideo. – **L.P.:** Dir.: J. J. Rabassa. – **D. Prgr.:** 11.30–16.00, 18.00–03.00. – **German:** 23.45–00.30 (relayed by CW1 for Buenos Aires).

37) **R. Femenina,** 18 de Julio 1333, 2° piso, Montevideo. – **L.P.:** Dir.: Sra. S. Vazquez. – **D. Prgr.:** 13.00–01.40.

38) **CW47A R. Welcome,** 25 de Mayo 637, San José. – **L.P.:** O.: M. A. Ravazzani and M. A. Perera. – **D. Prgr.:** 16.30–18.00, 23.30–03.00. – **CW47B - R. Berna,** Artigas 629, San José. – **L.P.:** as CW47A. – **D. Prgr.:** 10.00–16.30, 18.05–23.30.

39) **R. Andebu,** Uruguay 1218, Montevideo. – **L.P.:** Dir.: Sras. A. Rodriguez. – **D. Prgr.:** 10.00–03.00.

40) **R. Maldonado,** Sarandi 1043, Maldonado (or 18 de Julio 1561, Montevideo). – **L.P.:** Dir.: H. Lamaison. – **D. Prgr.:** 12.55–03.00.

41) **R. Litoral,** España 1157, Fray Bentos. – **L.P.:** G. Arizti. – **D. Prgr.:** 12.00–01.00.

42) **R. Charrua,** Ituzaingo 574, Rivera. – **D. Prgr.:** 10.30–17.00, 20.00–00.30.

★ VENEZUELA ★

L.T.: GMT ÷ 4½ h. – **L.:** Spanish. **Revrs.:** 230.000
All stations comm. exc. YVKO (Go.) and YVMI (Rel.)

MINISTERIO DE COMUNICACIONES, DIRECCION DE TELECOMUNICACIONES, DIVISION INTERNACIONAL Y TECNICA, CARACAS

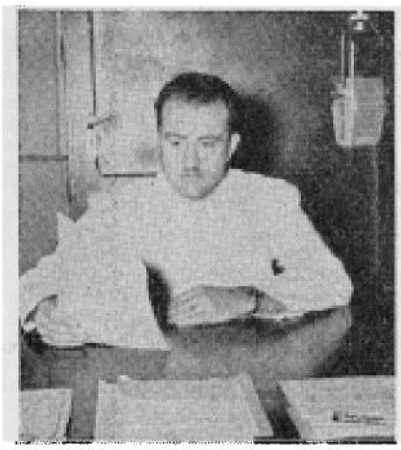
Short Waves: *=inactive.

	Call	kc/s	m	kW
1)	YVQG	2360	127.1	1
2)	YVLG	2440	122.9	1
3)	YVMU	2470	121.5	1
4)	YVMK	2480	121.0	1
5)	YVKT	3245	92.45	1
6)	YVQL	3255	92.17	0.5
7)	YVOC	3265	91.87	1
8)	YVMC	3275	91.60	1
9)	YVLE	3285	91.32	1
10)	YVOG	3295	91.10	0.7
11)	YVKX	3305	90.77	3
12)	YVLI	3315	90.50	1
13)	YVRA	3325	90.22	0.6
14)	YVQD	3335	89.95	0.6
15)	YVKP	3345	89.68	2
16)	YVLC	3355	89.41	1
17)	YVMI	3375	88.89	0.6
18)	YVQI	3385	88.63	1
19)	YVOJ	3395	88.37	1
20)	YVKV	4760	63.03	0.5
21)	YVMW	4770	62.89	0.3
22)	YVLA	4780	62.76	1
23)	YVQN	4790	62.63	5
24)	YVMF	4800	62.50	7.5
25)	YVMG	4810	62.37	1
26)	YVRC	4820	62.24	1
27)	YVOB	4830	62.11	5
28)	YVOI	4840	61.98	1
29)	YVMS	4850	61.86	1
30)	YVPA	4860	61.73	1
31)	YVKF	4880	61.48	7.5
32)	YVKB	4890	61.35	5
33)	YVQE	4900	61.22	1
34)	YVKR	4920	60.99	7.5
35)	YVMO	4940	60.73	2
36)	YVMM	4950	60.60	1
37)	YVQA	4960	60.48	1
38)	YVLK	4970	60.36	10
39)	YVMQ	4990	60.12	10
40)	YVKM	5030	59.64	7.5
41)	YVMA	5040	59.55	2.5
42)	YVKD	5050	59.41	5
43)	YVKO	6170	48.62	3
39)	YVXJ	9510	31.55	10
*)	YVMZ	9530	31.48	1
6,27)	YVOM	9570	31.55	1
43)	YVSC	9640	31.12	5

*) Common freq. by 25), 40), 53).

Medium Waves:

	Call	kc/s	kW		Call	kc/s	kW		Call	kc/s	kW
44)	YVLX	560	10	7)	YVOD	780	10	50)	YVND	970	5
40)	YVKL	590	20	32)	YVKC	790	5	51)	YVLR	990	1
43)	YVKA	630	10	41)	YVMB	800	25	27)	YVOA	1000	10
23)	YVQO	650	1	46)	YVLT	830		6)	YVQM	1010	0.5
2)	YVLH	660	1	47)	YVMY	840	1	14)	YVQC	1020	0.6
1)	YVQT	670	0.25	15)	YVLD	850	10	38)	YVLL	1030	1
21)	YVLB	690	1	5)	YVKU	880	1	52)	YVMK	1030	0.3
25)	YVMH	700	10	47a)	YVLW	890	1	53)	YVLN	1060	0.3
11)	YVKY	710	1	48)	YVQX	910	1	19)	YVKW	1070	1
33)	YVQF	720	1	12)	YVLJ	930	1	54)	YVNG	1070	1
34)	YVKS	750	10	31)	YVKG	950	5	17)	YVQJ	1080	0.25
45)	YVLP	770	1	49)	YVQQ	960	0.25	29)	YVMY	1090	10



Sr. Antonio José Istúriz, 1er Vice-Presidente de la Cámara Venezolana de la Industria de la Radio y la Televisión y propietario del TRIANGULO/ABC de la radiodifusión venezolana:

ANZOATEGUI – "Ondas Porteñas" Y.V.Q.O. 650 Kcs. onda larga; Y.V.Q.N. 4790 Kcs. onda corta Puerto la Cruz. –

BOLIVAR – "Radio Bolívar" Y.V.Q.F. 720 Kcs. onda larga; Y.V.Q.E. 4.900 Kcs. onda corta. –

"Ecos del Orinoco" – Y.V.Q.C. 1.020 Kcs. onda larga; Y.V.Q.D. 3.335 Kcs. onda corta. – Ciudad Bolívar. –

CARACAS – "Radio Cultura" Y.V.Q.E. 1.100 Kcs. onda larga; Y.V.K.D. 5.050 Kcs. onda corta Caracas. Distrito Federal. –

Direccion: Puerto la Cruz – Apartado 4123 – Calle Libertad no. 46. –
Ciudad Bolívar – Calle Zea no 5 – altos. –
Caracas – Avenida Atlántico – Edificio Arvelo – San Martín.

Venezuela Antonio Jose Isturiz Camara venezolana de radiodifusion Venezuela

Venezuela

42)	YVQE	1100	5	37)	YVQB	1220	0.25	63) YVQU 1340 0.1
24)	YVMF	1120	10	28)	YVOH	1230	0.25	64) YVHW 1350 0.5
55)	YVNA	1130	0.3	58)	YVQL	1240	1	65) YVLO 1370 1
13)		1140°)		59)	YVOL	1240	2	66) YVQZ 1390 0.2
8)	YVMD	1150	1	4)	YVML	1250	1	16) YVMJ 1400 0.6
14)	YVKQ	1160	1	35)	YVMP	1280	2	18) 1450 1
56)	YVQV	1170	2	9)	YVLF	1290	1	20) YVMV 1460 1
57)	YVRE	1190	0.25	60)	YVKH	1300	1	67) 1470 0.3
13)	YVRB	1190	1	61)	YVQY	1310	0.6	39) YVMR 1490 2
36)	YVMN	1210	1	62)	YVOE	1320	1	°) under construction.

FM:	mc/s	kW		mc/s	kW		mc/s	kW
3)	31.50	0.25	6)	96.00	0.05	43)	168.02	0.05
41)	43.77	0.1	42)	100.00	0.1	22)	168.40	0.05
50)	47.44	0.03	34)	153.32	0.05	27)	168.40	0.05
38)	49.54	0.06	38)	161.55	0.15	27)	168.90	0.05
47a)	72.66	0.05	60)	167.18	0.01	43)	169.70	0.05
14)	74.02	0.05	11)	167.42	0.05	38)	170.18	0.25
55)	90.10	0.01	46)	167.48	0.05	7)	171.67	0.05
31)	92.00	0.1	32)	167.60	0.05	38)	171.67	0.05

1) **R. Carupano**, Carupano. – **D. Prgr.:** 10.30–03.30.
2) **R. Girardot**, Maracay. – **D. Prgr.:** 10.30–02.30.
3) **R. Carora**, Carora.
4) **R. Cabimas**, Calle Democracia, Cabimas. – **D. Prgr.:** 10.30–03.30. – **V.** by letter.
5) **R. Libertador**, Provenca Propagandistas Venezoelanos, Caracas. – **D. Prgr.:** 10.30–04.30. **English:** Mo.-Sat. 11.30–13.00 (N. 11.50), 22.30–24.00 (N. 23.10). – **V.** by letter.
6) **La Voz de El Tigre**, El Tigre. – **D. Prgr.:** 11.30–03.00.
7) **Ecos del Torbes**, Calle 9-55, Apt. 152, San Christobal. – **D. Prgr.:** 10.30–03.30.
8) **R. Mara**, Apt. 100, Maracaibo. – **D. Prgr.:** 10.30–03.30.
9) **R. Puerto Cabello**, Apt. 4, Puerto Cabello. – **Cable:** "Radiobello". – **D. Prgr.:** 11.30–02.30.
10) **R. Trujillo**, Calle Independencia 200, Trujillo. – **D. Prgr.:** 22.00–02.30.
11) **La Voz de la Patria**, Caracas. – **D. Prgr.:** 10.30–03.30. – **V.** by QSL-letter
12) **R. Maracay**, Maracay. – **D. Prgr.:** 11.30–03.30.
13) **R. Monagas**, Apt. 14, Maturin. – **D. Prgr.:** 11.30–02.30. – **V.** by letter.
14) **Ecos del Orinoco**, Calle Zea No. 5, altos. Ci. Bolivar. – **D. Prgr.:** 11.30–02.30. – **V.** by QSL-letter.
15) **R. Tropical**, San Jacinto 9, altos, Caracas. – **D. Prgr.:** 10.30–03.30. **French:** Tues.–Sat. 01.30–02.15. Sun. 01.30–01.40. – **Portuguese:** 23.00–23.30. – **Italian:** 00.00–00.30. – **V.** by QSL-card.
16) **R. Valencia**, Valencia. – **D. Prgr.:** 10.30–03.30.
17) **La Voz de la Fé**, Maracaibo. – **D. Prgr.:** 11.30–20.30.
18) **Emisoras Unidas**, Apt. 27, Barcelona. – **D. Prgr.:** 11.30–02.30.
19) **R. Universidad**, Apt. 74, Merida. – **D. Prgr.:** 11.30–02.30.
20) **Emisora Vargas**, La Guaira. – **D. Prgr.:** 10.30–03.30.
21) **Ondas del Caribe**, Punto Fijo. – **D. Prgr.:** 11.30–03.30.
22) **La Voz de Carabobo**, Valencia. – **D. Prgr.:** 11.00–03.30. – **V.** by QSL-letter.
23) **Ondas Porteñas**, Calle Libertad 46, Apt. 4123, Puerto La Cruz. – **L.P.:** Dir. Gen.: A.G.Isturiz. Dir. Prgr.: S.Lazarde. Dir. Adm.: R. G.Glez. Dir. Tec.: A.E.Cometto. Dir. Inf.: R.B.Malaver. – **D. Prgr.:** 10.00–04.30. **N.:** 11.15, 16.30 ("Panorama Oriental"), 22.30 ("Radio-Deportes"), 23.45 (Informativo Mundial"). **Nat. Music:** 10.00–10.30, 15.30–16.00. – **V.** by QSL-card and "banderines".
24) **Ondas del Lago**, Apt. 261, Calle 99, No. 12-44, Maracaibo. – **Cable:** "Lagonda". – **L.P.:** Gen. Man.: H.A.Buroz. – **D. Prgr.:** 10.30–03.30. – **N.:** 12.00, 17.00, 23.30, 02.30. – **V.** by QSL-card. Postage preferred.
25) **R. Popular**, Apt. 347, Maracaibo. – **D. Prgr.:** 10.30–03.30. **English:** Sun. 12.00–13.00.
26) **La Voz de Apure**, San Fernando de Apure.
27) **La Voz del Tachira**, Carrera 8 No. 52, Apt. 37, San Christobal. – **Cable:** "Voztachira". – **L.P.:** Dir. Gen., Dir. Tec.: J.M.D.González. Dr. Prgr.: A.J.A.Centeno. Dir. Press & Inf. P.R.C.Ruiz. Dir. Public Relations: R.A.Q.Vera. Secr.: T.C.Sánchez. – **D. Prgr.:** On YVOA & YVOB: 10.30–03.30. **N.:** 11.30, 17.00, 22.30. – **Nat. Music:** 15.30, 18.00, 21.30, 00.30, 03.00. – **Mbg.:** 12.30, 17.15, 18.30, 02.15. – **Wrp.:** 11.30. – **V.** by letter.
28) **R. Valera**, Calle Bolivar 54, Valera. – **D. Prgr.:** 11.30–03.30.
29) **R. Universo**, Apt. 77, Barquisimeto. – **D. Prgr.:** 10.30–02.30. – **ANN.:** "YVMS, YVMY, Radio Universo, Barquisimeto, Venezuela, America del Sur". – **V.** by letter.
30) **R. Yaracauy**, San Felipe. – **D. Prgr.:** 10.30–03.30.
31) **Ondas Populares**, Edificio Radio Centro, Apt. de Correos 587, Caracas. – **Cable:** "Coraven". – **L.P.:** Dir. Gen.: F.Cardona M. Mgr.: G.Tucker. Dir. Prgr.: A.Ferrara. Dir. Adm.: M.Blanco. Dir. Tec.: R.Girardi. Dir. Inf.: F.Cardona M. – **D. Prgr.:** 10.30–03.30. – **Nat. Music:** Mo.-Fri. 14.00.
ANN.: "Con su trasmisor FM en 92.00 mc/s desde Caracas Venezuela cuna del libertador trasmite Ondas Populares YVKG 950 kc YVKF 4880 kc". – **V.** by QSL-card.
32) **Rdif. Venezuela**, Provenca, Caracas. – **D. Prgr.:** 10.30–04.30. – **English:** Mo.-Fri. 11.30–12.30 (N. 11.50). – **German:** Sun. 16.00–17.00. – **V.** by QSL-card.
33) **R. Bolivar**, Ci. Bolivar. – **D. Prgr.:** 10.30–03.30.
34) **R. Caracas**, Barcenas á Rio, Edificio R. Centro. Apt. 2057, Caracas. – **Cable:** "Coraven". – **L.P.:** Dir. Gen.: A.Espina. Mgr.: G. Tucker. Dir. Tec.: J.Marcano. Dir. Prgr.: A.Ferrara. Dir. Adm.: M. Blanco. Dir. Press & Inf.: F.Cardona M. – **D. Prgr.:** 10.30–05.30. – **N.:** 10.30, 16.00, 23.30, 02.30. – **Nat. Music:** Mo.-Fri. 14.30. – **V.** by QSL-card or letter.
35) **Rdif. Occidental**, Barquisimeto. – **D. Prgr.:** 10.30–03.30.
36) **R. Coro**, Coro. – **L.P.:** Dir. R.Leyba. – **D. Prgr.:** 10.30–03.30. – **V.** by letter.
37) **R. Sucre**, Cumana. – **D. Prgr.:** 10.30–03.30.
38) **R. Rumbos**, Apt. 514, Caracas. – **D. Prgr.:** 10.30–07.30. **English:** Mo.-Fri. 23.00–24.00 (N. 23.45). – "Noches en Venezuela" (Musical nightprgr.): 04.30–07.30.
39) **R. Barquisimeto**, Barquisimeto. – **D. Prgr.:** 10.50–03.30. – **V.** by letter.
40) **R. Continente**, Apartado de Correos 866, Caracas. – **Cable:** "Continente". – **D. Prgr.:** 10.30–04.30. – **V.** by QSL-card.
41) **Ecos del Zulia**, Apt. 37, Maracaibo. – **Cable:** "Ecozulia". – **L.P.:** Dir. Gen.: L.G.Nebot. Mgr.: A.B.López. Dir. Prgr.: N.López. Dir. Adm.: J.Muntane. Dir. Tec.: A.Fernandez. Dir. Inf.: R.Garcia. – **D. Prgr.:** 10.30–04.30 (on 9530 kc/s: 10.30–22.30 for S.Am.). – **N.:** 10.30, 16.30, 22.30. – **Nat. Music:** D. 14.30, 00.30. Sun. 13.30. Tues. 02.00. – **Italian:** Sun. 22.30. – **English:** D. 20.30. – **V.** by QSL-card.
42) **R. Cultura**, Caracas. – **D. Prgr.:** 10.30–03.30. – **Italian:** D. exc. Mo. 01.30. – **V.** by QSL-card.
43) **Rdif. Nacional**, Caracas. – **D. Prgr.:** 15.00–03.30. – **English:** Mo. 23.30–24.00. Fri. 01.00. – **French:** Fri. 03.15. – **V.** by QSL-card
44) **Rdif. La Villa**, Villa de Cura.
45) **R. 810**, Valencia.
46) **R. Miranda**, Los Teques.
47) **R. Cronos**, Barquisimeto.
47a) **R. América**, Valencia.
48) **R. Nueva Esparta**, Porlamar.
49) **R. Puerto La Cruz**, Puerto La Cruz.
50) **R. Catatumbo**, Maracaibo.
51) **R. Central**, Maracay.
52) **R. Calendario**, Calle 96, antes Transite No. 16-127, P.O.Box 789, Maracaibo. – **Cable:** "Calendario".
53) **R. Guarico**, San Juan de Los Morros.
54) **R. Lagunillas**, Lagunillas.
55) **Ondas de Los Medaños**, Coro.
56) **R. Acarigua**, Acarigua.
57) **R. Barinas**, Barinas.
58) **La Voz de La Victoria**, La Victoria.
59) **Ecos de Junin**, Rubio.
60) **R. Crono Radar**, Av. General Paéz, El Paraiso, Caracas. – **L.P.:** Dir.: O.Suarez. Asst. Dir.: F.Suarez. – **D. Prgr.:** 10.30–03.30.
61) **R. Guanare**, Guanare.
62) **R. San Cristobal**, San Cristobal.
63) **R. San Carlos**, San Carlos.
64) **Ondas del Escalante**, Santa Barbara del Zulia.
65) **Rdif. La Pascua**, Calle Real No. 17, Valle de la Pascua. – **L.P.:** Dir.: J.R.Négron N. Dir. Tec.: C.Poleo. – **D. Prgr.:** 10.30–03.30. **N.:** 11.30, 12.15, 16.32, 22.30. – **ANN.:** Every 15 min.: "Radiodifusora La Pascua". – **V.** by letter. Post. requested.
66) **R. Eduardo Méndez**, Aragua de Barcelona.
67) **Flor de la Cultura**, Andina, San Cristobal.

SHORT WAVE MAGAZINE

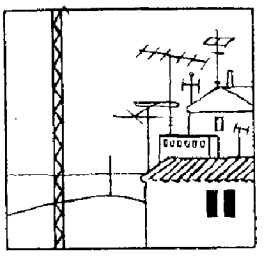
(Established 1937)

One of the world's leading Amateur Radio publications covering transmission, reception, operating results, competitive working, design and construction. Regular features include "DX Commentary" and "VHF Bands", outstanding in their fields. Monthly, 56 pages. Subscription 33s. post free. 34 Danish Kr., 4.00 American dollars, 21.45 Swiss francs, 1650 French francs, 20 German Dm., 2885 Italian lire.

SHORT WAVE MAGAZINE LTD.,

55, Victoria Street, London S.W.1, England.

WORLD TELEVISION



The principal television systems:
Definition refers to the broadcast standard which is normally stated in terms of the number of lines which make up the image. Reference in the following surveys is made throughout merely to 405 lines, 525 lines, 625 lines (CCIR*), 625 lines (Sovjet**) and 819 lines respectively.
Details of these five definitions are given in the following table:

	Systems			
Number of lines per picture	405	525	625*)	819
Video bandwidth (Mc/s)	3	4	5	10.4
Channel width (Mc/s)	5	6	7	14
Sound carrier relative to vision carrier (Mc/s)	÷3.5	+4.5	+5.5	÷11.15
Sound carrier relative to edge of channel (Mc/s)	0.25	÷0.25	÷0.25	+0.10
Interlace	2/1	2/1	2/1	2/1
Line frequency (c/s)	10.125	15.750	15.625	20.475
Field frequency (c/s)	50	60	50	50
Picture frequency (c/s)	25	30	25	25
Sense of vision modulation	Positive	Negative	Negative	Positive
Level of black as percentage of peak carrier	30	75	75	25
Sound modulation	AM	FM	FM	AM

*) The International Radio Consultative Committee.
**) The characteristics are the same as 625 lines CCIR exc. for a difference in bandwidth: video bandwidth 6 Mc/s, channelwidth 8 Mc/s, sound carrier relative to vision carrier +6.5 Mc/s.

WORLD TELEVISION
TELEVISION CHANNELS

A: American system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 525
Frame frequency: 30 M/cs.
Channel width: 6 Mc/s.

Channel No.	Vision carrier Mc/s	Sound carrier Mc/s
A-2	55.25	59.75
A-3	61.25	65.75
A-4	67.25	71.75
A-5	77.25	81.75
A-6	83.25	87.75
A-7	175.25	179.75
A-8	181.25	185.75
A-9	187.25	191.75
A-10	193.25	197.75
A-11	199.25	203.75
A-12	205.25	209.75
A-13	211.25	215.75
A-14	471.25	475.75
A-15	477.25	481.75
A-16	483.25	487.75
A-17	489.25	493.75
A-18	495.25	499.75
A-19	501.25	505.75
A-20	507.25	511.75
A-21	513.25	517.75
A-22	519.25	523.75
A-23	525.25	529.75
A-24	531.25	535.75
A-25	537.25	541.75
A-25	543.25	547.75
A-27	549.25	553.75
A-28	555.25	559.75
A-29	561.25	565.75
A-30	567.25	571.75
A-31	573.25	577.75
A-32	579.25	583.75
A-33	585.25	589.75
A-34	591.25	595.75
A-35	597.25	601.75
A-36	603.25	607.75
A-37	609.25	613.75
A-38	615.25	619.75
A-39	621.25	625.75
A-40	627.25	631.75
A-41	633.25	637.75
A-42	639.25	643.75
A-43	645.25	649.75
A-44	651.25	655.75
A-45	657.25	661.75
A-46	663.25	667.75
A-47	669.25	673.75
A-48	675.25	679.75
A-49	681.25	685.75
A-50	687.25	691.75
A-51	693.25	697.75
A-52	699.25	703.75
A-53	705.25	709.75
A-54	711.25	715.75
A-55	717.25	721.75
A-56	723.25	727.75
A-57	729.25	733.75
A-53	735.25	739.75
A-59	741.25	745.75
A-60	747.25	751.75
A-61	753.25	757.75
A-62	759.25	763.75
A-63	765.25	769.75
A-64	771.25	775.75
A-65	777.25	781.75
A-66	783.25	787.75
A-67	789.25	793.75
A-68	795.25	799.75
A-69	801.25	805.75
A-70	807.25	811.75
A-71	813.25	817.75
A-72	819.25	823.75
A-73	825.25	829.75
A-74	831.25	835.75
A-75	837.25	841.75
A-76	843.25	847.75
A-77	849.25	853.75
A-78	855.25	859.75
A-79	861.25	865.75
A-80	867.25	871.75
A-81	873.25	877.75
A-82	879.25	883.75
A-83	885.25	889.75

The following pages give you the data of the different TV stations of the world. The channel is indicated by a letter followed by a figure. The letter indicates the technical data of the systems which are in use (A: American, B: British etc.) and the figure is the channel number.
The powers for vision and sound are indicated by a fraction, the numerator indicating the number of kW (ERP) for vision and the deminator for sound, for example 6/1.5 means vision. 6 kW ERP and sound 1.5 kW ERP.

B: British standards:
Sound: Amplitude mod.
Vision: Positive mod.
Number of lines: 405.
Frame frequency: 25 c/s.
Ch. width: 5 Mc (Ch. 1 7 Mc).

B-1	45.00	41.50
B-2	51.75	48.25
B-3	56.75	53.25
B-4	61.75	58.25
B-5	66.75	63.25
B-6	179.75	176.25
B-7	184.75	181.25
B-8	189.75	186.25
B-9	194.75	191.25
B-10	199.75	196.25
B-11	204.75	201.25
B-12	209.75	206.25
B-13	214.75	211.25

E: European system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 625.
Frame frequency: 25 c/s.
Channel width: 7 Mc/s.
(ch. 1 only 6 Mc/s).

E-1	41.25	46.75
E-1A	42.25	46.75
Channel	Vision carrier	Sound carrier
E-2	48.25	53.75
E-2A	49.75	55.25
E-3	55.25	60.75
E-4	62.25	67.75
E-4A	82.25	87.75
E-5	175.75	180.75
E-6	182.25	187.75
E-7	189.25	194.75
E-7A	192.25	197.75
E-8	196.25	201.75
E-8A	201.25	206.75
E-9	203.25	208.75
E-10	210.25	215.75
E-11	217.25	222.75

F: French standards:
Sound: Amplitude mod.
Vision: Positive mod.
N. of lines: 819 (ch. Fl: 441)
Frame frequency: 25 c/s.
Channel width: 13, 15 Mc/s
(ch. 1: 7.6 Mc, ch. 8: 14 Mc).

F-1	46.00	42.00
F-2	52.40	41.25
F-3	56.15	67.30
F-4	65.55	54.40
F-5	164.00	175.15
F-6	173.40	162.25
F-7	177.15	188.30
F-8	185.25	174.10
F-8A	186.55	175.40
F-9	190.30	201.45
F-10	199.70	188.55
F-11	203.45	214.60
F-12	212.85	201.70

J: Japanese system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 525.
Frame frequency: 30 c/s.
Channel width: 6 Mc/s.

J-1	91.25	95.75
J-2	97.25	101.75
J-3	103.25	107.75
J-4	171.25	175.75
J-5	177.25	181.75
J-6	183.25	187.75

R: Russian system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 625.
Frame frequency: 25 c/s.
Channel width: 8 Mc/s.

R-I	41.75	48.25
R-II	49.75	56.25
R-III	59.25	65.75
R-IV	77.25	83.75
R-V	85.25	91.75
R-VI	93.25	99.75
R-1	143.25	149.75
R-2	151.25	157.75
R-3	159.25	165.75
R-4	167.25	173.75
R-5	175.25	181.75
R-6	183.25	189.75
R-7	191.25	197.75
R-8	199.25	205.75
R-9	207.25	213.75

THE SPREAD OF TELEVISION
1) Number of TV stations. – 2. Number of TV receivers. – 3) Definition.

	1)	2)	3)
Alaska	6	14.000	525
Algeria	5	8.000	525
Argentina	1	100.000	625
Austria	7	15.000	625
Australia	6	88.932	625
Belgium	4	200.000	815 /625
Brazil	9	410.000	525
Bulgaria	1	4.000	625
Canada	36	2.790.000	525
Colombia	3	60.000	525
Cuba	17	315.000	525
Czechoslov.	4	130.281	625
Denmark	4	84.327	625
Domini. R.	1	15.000	525
El Salvador	2	15.000	525
Finland	1	4.000	625
France	22	606.000	815
Germany			
Fed. R.	54	947.980	625
Dem. R.	8	150.000	625
Gt. Britain	25	7.331.207	405
Guatemala	2	4.500	525
Hawaii	7	110.000	525
Holland	2	192.949	625
Hong Kong	1	2.500	525
Hungary	2	4.000	625
Iraq	1	3.000	625
Italy	107	619.177	625
Japan	15	629.595	525
Korea	1	2.600	625
Luxembourg	1	1.500	819
Mexico	13	225.000	525
Monaco	1	2.000	819
Panama	6	8.000	525
Philippines	1	12.000	525
Poland	3	30.000	625
Portugal	5	5.000	625
Puerto Rico	9	80.000	525
Rumania	1	5.000	625
Spain	1	6.000	625
Sweden	3	39.030	625
Switzerland	6	27.337	625
Thailand	1	12.332	525
Turkey	1	2.000	625
Uruguay	2	15.000	525
USA	546	44.000.000	525
USSR	30	3.000.000	625
Venezuela	11	200.000	625
Yugoslavia	4	6.000	625

EUROPE

★ AUSTRIA ★

OSTERREICHISCHER RUNDFUNK (Go.)
ADDR.: Osterreichischer Rundfunk Ges. m.b.H. (Wien I, Kärtnerring 5). Television Dept., Singrienergasse 21, Wien XII. – L.P.: Dir.: Gerhard Freund.

STATIONS	ch	kW		ch	kW
Kahlenberg	E5	60/12	Sonnwendstein	E10	1.5/0.3
Gaisberg	E8	60/12	Schöckl	E7	60/12
Linz	E6	3/0.6	Pyramidenkogel	E10	30/6 d.

Kahlenberg ch 520.25/525.75 (temporary ch.) 10/2 kW. Experimental.
Projected: 60/12 kW 1958:
Pfänder ch. E5, Patscherkofel ch. E4, Jauerling ch E2.
D. Prgr.: Mo., Wed., Thurs., Fr., Sun.: 19.00–approx. 21.15. W., Sun also 16.00–17.00. Sat. 18.30–approx. 21.30.

★ AÇORES (AFRT) ★

LAJES FIELD (Air Force). ADDR.: Commander, 1605th Air Base Wing, APO 406, New York: ch. 8 0.05/0.02 kW: 15.00–22.00.

★ BELGIUM ★

INSTITUT NATIONAL BELGE DE TELEVISION (Go.)
ADDR.: I.N.R., Place Eugène Flagey 18, Bruxelles. – L.P.: Dir. French TV: Ph. Kammans. Dir. Flemish TV: B.V. Leysen.

FRENCG PRGR. Def. 819:

Stations	ch	kW
Liége (Bol d'Air)	3	6/1.5[3])
Liége	3	100/25 [1])
Braine-le-Comte	8	100/25 [1])
Bruxelles	8	2/0.5
Neufchateau	11	25/6 [1])

FLEMISH PRGR. Def. 625:

Stations	ch	kW
Antwerp	2	6/1.5[2])
Tielt	2	100/25 [1])
Bruxelles	10	2/0.5[3])
Mechelen	10	100/25 [1])

[1]) Autumn 1956. [2]) Serves also as a rel. point for the tr. of prgr. between Bruxelles and Breda in Holland. [3]) Serves also as a rel. point for the tr. of prgr. between Bruxelles and Rötgen (Germany).
D. Prgr.: F.: D. 18.00–22.00 (exc. Fri.). Sun. also 14.00–16.30 and Thurs. 16.00–17.00. – Fl.: D. 18.00–22.00 (exc. Mo.). Sun. also 13.30–15.00 and Sat. 16.00–17.00.

★ BULGARIA ★

BULGARIAN BROADCASTING (Go) Sofia ch. R III 0.5/0.25 kW Exp.

★ CZECHOSLOVAKIA ★

CESKOSLOVENSKY ROZHLAS (Go.)
ADDR.: Televizni studio Praha, Praha 2, Vladislovova 20. Cable: "Radiopraha". – Televizni studio Bratislava, Stalinovo nam. 38, Bratislava. Cable: "Televiza Bratislava. – L.P.: Praha: Dir. Gen.: F. Necásek. Mgr.: K. Kohout. Dir. Tec.: Jan Janota. Dir. Prgr.: Dr. V. Feldstein. Adm. Dr.: Miroslav Ráz. – Bratislava: Dir. TV: E.B. Stefan. Dir. Prgr.: J. Mazanec. Dir. Adm.: D. Sinicák.
STATIONS: Praha ch. R9 5/3 kW d. H. – Ostrava ch RII 12/5 kW d. H. – Bratislava ch. RIII 10/5 d.H. – Karl. Vary ch R9 0.6/0.2 kW.
Projected: Brno ch R8 10/4 April 1958.
D. Prgr.: Praha: 6 evening prgrs.: 18.30 (wi. 18.00)–approx. 21.00. On Sat., Sun.: Sports and other events. Childrens hour before evening prgr. on Tues., Thurs. – Ostrava: Prgr. four times a week; the average length 2¼ h. – Bratislava. Experimental 25/h. monthly.

★ DENMARK ★

STATE BROADCAST (Go.)
ADDR.: Television Dept., Danish State Radio, Radiohuset, Rosenørnsallé, Copenhagen. – L.P.: Dir. Prgr.: J. Fr. Lawaetz.

Stations (V)	ch	kW		Stations (V)	ch	kW
Copenhagen	4	10/3		Naestved	6	60/20[2])
Fyn	3	10/3		W. Jutland	10	60/20[3])
Ålborg	5	10/3 [1])		Sønderjylland	7	60/20
Århus	8	10/3				

[1]) April. 1958. [2]) October 1959. [3]) May 1958.
D. PRGR.: 19.00–20.00. Childrens Hour: Mo., Tues. 14.30-15.00. Thurs. Fri. 16.00–16.30.

★ FINLAND ★

OY YLEISRADIO AB. (Go.)
ADDR.: Unioninkatu 16, Helsinki. Cable: "Yleisradio". – L.P.: See Sound Broadc. – STATION: Helsinki ch. 6 8/2 kW H. – D. Prgr.: Tues., Thurs., Sat. 15.30–16.30.

★ FRANCE ★

RADIODIFFUSION-TELEVISION FRAN CAISE
ADDR.: 107 rue de Grenelle, Paris 7°. – L.P.: Dir. Gen.: G. Delaunay. Dir. Prgr.: J. d'Arcry. Dir. Foreign Relations: M. Robida. –

STATIONS:

	ch.	kW		ch.	kW
Caen M.Pincon	F2	50/12.5H	Muthouse	F8	200/25d.H.
Alger-Matifou	F11	2/0.5d.H.	Nancy	F7	0.1/0.25H
Bourges-Neuvy	F9	200/50H	Paris	F8A	100/25H
Cotie d'Azur	F6	10/2.5V	Reims-Vrigny	F5	0.1/0.25V
Dijon M. Afr.	F10	0.1/0.25V[1])	Rouen-Grand	F10	50/12.5H
Grenoble	F10	2/0.5H	Strasbourg	F5	20/5H
Lille	F8A	200/50H	Toulon C.Sicie	F11	2/0.5H
Lorraine	F6	200/50d.H.	Rennes[1])	F5	0.5/0.12H
Lyon Fourviere	F5	0.1/0.025H	Nantes[4])	F4	0.5/0.12V
Lyon M. Pilat	F12	200/50H	Besancon	5H	
Marseille	F8	50/12.5H	St. Etienne	8H	

[1]) temporary.

Projected: Bordeaux ch. F10 H exp. Dec. 1957. Puy de Dome ch. F6 V spring 1958. Pic du Midi ch. F5 H exp. Dec. 1957. Dijon Reg.[1]) ch. F10 V. Febr. 1958. Cherbourg ch. F12 H. May 1958. Le Havre ch. F7 H. Sept. 1958. [1]) Replace Diojn M. Afrique. – D. PRGR.: from Paris: Sun. 09.00–12.00, 14.00–21.50. W. 11.45–approx. 12.35, 13.00–13.30 (exc. Thurs. 16.00–18.10, Sat. 15.30–17.30), 18.30–22.00 (Sat. 22.50).
Radio relay links between: Paris–Lille, Paris–Strasbourg, Paris–Lyon–Marseille, Metz–Luxembourg, Dabo–Hornisgrinde (Germany), Lille–Cassel–Dover.

★ GERMANY ★

GERMAN FEDERAL REPUBLIC
Television has been developed by the various radio organizations (Rundfunkanstalten) and especially the Nord- and Westdeutscher Rundfunk. – A common prgr. is being broadcast throughout Germany under the title »Deutsches Fernsehen«. Each of the organizations participates in the production of this prgr. In addition a number of regional broadcasts are transmitted by each of the broadcasting organizations.
Relay Facilities for the German television network are constructed by the German postal authorities: The network consists of 50 relay stations (Dezimeter, directional); the main-connections are: Hamburg – Köln – Feldberg Taunus – Frankfurt – Stuttgart – Baden-Baden – München. Seven broadcasting organizations have 22 transmitters and ten frequency-changers (low power transmitters without Dezimeter-connection with the German network). Five border-stations are used for foreign program-exchange.
Community television prgr. daily approx.: W.: 17.00–18.00, 19.00–22.00. Sun. additionally 12.00–12.30 and longer afternoon-programmes in case of sport-events. Testtransmissions approx.: 09.00–18.45 (each station has different times).
ADDR.: Fernseh-Kommission der Arbeitsgemeinschaft der Westdeutschen Rundfunkanstalten, Hessischer Rundfunk, Frankfurt a/M.

BAYERISCHER RUNDFUNK (Anstalt des öffentlichen Rechts).
ADDR.: Fernsehdirektion, Rundfunkplatz, München. – L.P.: See Germany. Dir. Television: Dr. Clemens Münster. Chief-Editor: Robert Lembke. Chief of Drama: Heinrich Fischer. Chief Production: Willy Reiber.
STATIONS: Wendelstein: ch. E10, 100/20 kW. – Dillberg ch. E6 100/20 kW. – Exp. St.: Kreuzberg ch. 3 100/20 kW. – Ochsenkopf ch. 5 1/0.2 kW. – Würzburg ch. 10 0.1/0.02 kW. Grünten/Allgäu ch 2 100/20 kW – Projected: Brotjacklriegel 100/20 kW. – Test transmissions: 09.00–10.00. Mo.-Fri. 13.30–15.00.

RADIO BREMEN (Anstalt des öffentlichen Rechts)
ADDR.: Fernsehen, Heinrich Hertzstr. 13, Bremen. – L.P.: Intendant Heinz Kerneck. Chefingenieur: Ansgar Olshausen. Fernsehbeauftragter: Rudolf Dumont du Voitel. – STATION: ch E3 0.1/0.04 kW. Relay Hamburg.

HESSISCHER RUNDFUNK (Anstalt des öffentlichen Rechts)
ADDR.: Bertramstrasse 8, Frankfurt am Main. – L.P.: Intendant: Eberhard Beckmann. Dir. Prgr.: Dr. Hans J. Lange. Dir. Tec.: Dr. Franz Miseré. Dir. TV Play and Entertainment: Hans Otto Grünefeldt. Dir. Actualities: Olaf Meitzner. Dir. Press: E. Rolf Richter. – STATIONS: Feldberg ch. E8, 100/20 kW. H. – Meissner ch. E7, 100/20 kW H. – Biedenkopf ch. 5, 400/80 W. H.d. – Marburg ch. 11, 30/6 W H.d. frequency changer.

NORD- UND WESTDEUTSCHER RUNDFUNKVERBAND (NWRV)
(Gemeinnützige Körperschaft des öffentlichen Rechts - a corporation for public benefit).
Members: Der Norddeutsche Rundfunk, Hamburg and Der Westdeutsche Rundfunk, Köln. NWRV is committed to produce 46% of the German Common Televisionprogrammes.
ADDR.: NWRV-Fernsehen, Gazellenkamp 57, Hamburg-Lokstedt. – Cable: Fernsehen Hamburg. – Köln: Köln a/Rhein, An der Rechtschule. Cable: Fernsehen Köln.
L.P.: Intendant: Dr. Werner Pleister. Sendeleiter, Leiter des Programmaustausches: Heinz von Plato. Verwaltung: Hans Joachim Hessling. Chefingenieur: Dr. Walter Schwarz. Presse und Nachrichten: Klaus Mahlo, Hans Ruppersberg.

STATIONS:

	ch.	kW		ch.	kW
Bonn	E5	0.24/0.05	Kiel	E5	5/1
Bremen/Oldenb.	E2	100/20	Köln	E11	5/1
Hamburg	E9	92/18	Langenberg	E9	92/18
Hannover	E8	4.3/0.9	TeutoburgerWald	E11	100/20
Harz	E10	100/20	Wuppertal	E6	0.9/0.18

D. PRGR.: W. 17.00–18.00, 20.00–22.00. Sun. 12.00–12.30, 19.30–22.00. – Sun- and W. at irregular times special transmissions, outside broadcasts etc. – **Projected:** Flensburg ch. E4, 50/10 kW (excepting the area of Copenhagen).

SAARLANDISCHES FERNSEHEN A. G. (Comm.) – **ADDR.:** Uhlandstr. 5, Saarbrücken. – **STATION:** Saarbrücken: Ch. E2 3/1 kW.

SENDER FREIES BERLIN (Anstalt des öffentlichen Rechts).
ADDR.: Fernsehen, Reichskanzlerplatz, Berlin-Charlottenburg 9. – **L.P.:** Dir. Prgr.: Heinz Rieck. Dir. Tec.: Rudolf Jakob. – **STATION:** Berlin ch. E7 50/10 kW: W. 16.00–17.00, 19.00–21.00. Sun.: 11.00–11.35, approx. 13.00–17.00 (Sport), 18.30–21.00.

SUDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts)
ADDR.: Süddeutscher Rundfunk Fernsehen, Neckarstrasse 145, Stuttgart. – **Cable:** Rundfunk Stuttgart. – **L.P.:** Intendant: Dr. Fritz Eberhard. Programmleiter: Dr. Helmut Jedele. Tech. Dir.: Dr. Helmut Rupp. Dir. Presse: Dr. Werner R. Deusch.
STATIONS: Stuttgart ch. E11, 100/20 kW. H. – Aalen ch. E8 5/1 kW d.H.*) – Pforzheim ch. E5 0.05/0.1 H.*) – **Projected:** Waldenburg ch. E9, 100/20 kW. Summer 1958. *) frequency changer.

SUDWESTFUNK (Ansalt des öffenlichen Rechts)
ADDR.: Abt. Fernsehen, Hans Bredowstr., Baden-Baden. – **L.P.:** Abteilungsleiter: Dr. Karl-P. Biltz. Verwaltungsleiter, stellvertretender Abteilungsleiter: Willy H. Hetzer. Fernsehspiel: Dr. Ernst Laurenze. Kulturelle Sendungen: Heribert Grüger. Unterhaltung: Klaus Überall. Aktuelle Sendungen: Dr. Wolfgang Brobeil. Regisseure: Peter A. Horn, Peter Beauvais. Chefingenieur Studiotechnik, Film: Friedrich M. Zaekel.

Stations:	ch.	kW	Stations	ch.	kW
Hornisgrinde	9	100/20 H.	Raichberg	4	40/8 H.
Koblenz	6	50/10 H.	Weinbiet	10	50/10 d.H.
			Feldberg	8	100/20 H.

freq. changers:

	ch.	kW		ch.	kW
Baden Baden	7	0.32/0.06 H.	K'lautern	7	0.32/0.06 H.
Freiburg	7	0.2/0.04 H.	Trier	6	0.6/0.12 H.
			Zweibrücken	7	0.08/0.015H.

SAAR

TELESAAR: (Pr. Def 819): – **ADDR.:** 57-59 Dudweilerstr., Sarrebruck 3e. – **L.P.:** Dir. Gen.: F. Billmann. – **STATION:** ch. F7 0.1/[illegible]2 kW. – ch. E1 5/2 kW. Exp.
AFRTS: Def 525 Landstuhl. ch. A20. Bitburg ch. A2[illegible]

GERMAN DEMOCRATIC REPUBLIC

STAATLICHES RUNDFUNK-KOMITEE (Go.)
ADDR.: Deutscher Fernsehfunk, Berlin-Adlershof, Rudower Chaussee 116, Berlin. **Cable:** Fernsehen, Berlin. – **L.P.:** Dir.: Heinz Adameck. Dir. Prgr.: Willi Zahlbaum.

Stations	mc/s	Stations	mc/s
Berlin	175.25/180.75	Inselsberg	175.26/180.76
Brocken	182.25/187.75	Karl-Marx-Stadt	196.25/201.75
Dresden	145.25/151.75	Leipzig	59.25/ 65.75
Helpterberg	55.25/ 60.75	Marlow	196.26/201.76

D. Prgr.: Sun.: 09.00–10.00, 13.00 (Sport), 19.00–21.30. Mo. 19.00–20.30. Tues.: 15.30–16.30, 19.00–21.00. Wed.: 15.30–16.30, 19.00–21.00. Thurs.: 15.30–16.30, 18.30–21.00. Fri. 18.00–20.30. Sat.: 15.30–16.30, 16.00–17.00, 19.00–23.00.

★ GREAT BRITAIN ★

BRITISH BROADCASTING CORPORATION (Go.)
The BBC operates under a Royal Charter and under license and agreement with Her Majesty's Postmaster General.
ADDR.: The British Broadcasting Corporation, Broadcasting House, London W1. **Cable:** "Broadcasts; London Telex".
L.P.: Dir. Gen. TV: Sir Ian Jacob, K.B.E., C.B. Dir. TV: G C. Beadle, C.B.E. Dir. Engineering: Sir Harold Bishop, C.B.E.

Stations	ch.	kW	Stations	ch	kW
Divis	B1	12/3[2])	Sutton Coldfield	B4	100/25[1])
Holme Moss	B2	100/25[1])	Channel Island	B4	1/0.25[2])
Truleigh Hill	B2	1/0.25[1])[6])	Meldrum	B4	17/4[2])d.
Kirk o'Shotts	B3	100/25[1])	Wenvoe	B5	100/25[1])
Norwich	B3	10/2.5d.[2])	Pontop Pike	B5	12/3d.[3])
Crystal Palace[1])	B1	200/50[3])	Blaen Plwy		
Londonderry	B2	1/0.25[2])	(W. Wales)	B3	1/0.25[2])
(N. Ireland)			Douglas (temp.)	B5	1/0.25[1])
North Hessary Tor	B2	15/4d.[1])d.	Isle of Man	B5	1/0.25[4])
Rosemarkie	B2	1/0.25[2])	permanent		
Rowridge Isle of			Sandale	B4	16/4[2])*
Wight	B3	32/7.5d.[1])d.	Les Platons	B4	1/0.25[2])

[1]) vertical. [2]) horizontal. [4]) 200 kW late 1957. [6]) 1958. [6]) temporary.

D. Prgr.: All stations: Trade Test transmissions Mo.-Sat. 11.00–13.00. Prgr. Hours approx.: W.: 15.00 (Sat. 14.30)–18.00, 19.00–22.45 or 23.00. Sun.: 14.00–18.00, 19.30–22.45 or 23.00.

INDEPENDENT TELEVISION (I.T.A.) (Comm.)
ADDR.: 14 Princes Gate, London S.W. 7. – **PRGR. CONTRACTORS:** Associated-Rediffusion Ltd., Television House Kingsway, London W.C. 2. Associated Télévision Ltd., Television House, Kingsway, London W.C. 2. Associated British Cinemas (Television) Ltd. 142 Wardour Str., London W.1. Granada TV Network Ltd., 36 Golden Square, London W.1. Scottish Television Ltd., North Bridge, Edinburgh. – **L.P.:** Chairman: Sir Kenneth Clark K.B.C. Dir. Gen.: Sir Robert Fraser O.B.E. Chief Eng.: P.A.T. Bevan, B. Sc., M.I.R.E. – **STATIONS IN OPERATION:** London area (Croydon st.) ch. B9 120/30 kW V[1]). Midlands area (Lichfield st.) ch. B8 200/50 kW V. N.(W.) area (Winter Hill, Lancashire st.) ch. B9 100/25 kW V. N.(E.) area (Emley Moore Yorks st.) ch. B10 200/50 kW V d. Central Scotland (Black Hill, Lanarkshire) ch. B 10 475/200 kW V.
Projected Stations: Chitterton Down (Isle of Wright): ch. 11 100/50 kW d. Su. 1958.
Operation Schedules: London area: Mo.–Fri.: 16.00–18.00, 19 00–23.00. Sat.: 09.00–09.45, 15.00–18.00, 19.00–23.00. Sun. 14.30–18.15 19.00–23.00. – **Midlands area:** Mo.–Fri.: 12.30–13.30, 16.00–18.00, 19.00–23.00. Sat.: 09.00–10.00, 16.00–18.00, 19.00–23.00. Sun.: 15.00–18.15, 19.00–23.00. N.(W.) area: Mo.–Fri.: 16.00–18.00, 19.00–23.00. Sat.: 09.00–10.00, 16.00–18.00, 19.00–23.00. Sun.: 15.00–18.15, 19.00–23.00. N.E. area: When this stations opens the operating schedules will be as for the N.(W.) area.
[1]) To be increased 1958 to 200 kW.

★ HOLLAND ★

NEDERLANDSE TELEVISIE STICHTING (Go. - Foundation)
ADDR.: Postbox 80 Bussum. – **Cable:** Televisie Bussum. – **L.P.:** Pres.: Prof. J. B. Kors O. P. Vice-Pres.: A. B. Roosjen. Gen. Secr.: Treasurer: Jhr. Th. Röell. Dir. Prgr.: A. van den Dool. Dir. Tec.: Ir. C. J. Mol. Dir. Press.: A. van den Dool. (temporary).
STATIONS: Lopik ch. E4, 20/5 kW H.
D. PRGR.: Mon.: 19.30–21.00. Tues.: 19.30–21.30. Wed., Thurs. Sat.: 19.00–21.00. Wed., Sat.: 16.00–16.30. In addition: $1^1/_2$ h. p. week for extra prgr. – Exchange of prgr. with the Belgian National Broadcasting Institute, Brussels. – **F.PL.:** Increase of power. Four tr. under construction: ch. E3 20/5 kW, Roermond, Irnssum, Markelo, Goes (1957/1958).

★ HUNGARY ★

MAGYAR RADIO (Go.) **ADDR.:** Magyar Rádió és Televizió, Bródy Sandor U 5–7, Budapest VIII. – **Cable:** Magyarradio. – **L.P.:** Chief TV Dept.: István Tamás. Dir. Tec.: Ferenc Benkö. – **STATION:** Budapest ch.RIII 2/0.75 kW. H. – ch.RII 100/30 kW. H. – **D. PRGR.:** Tues., Thurs., Fri.: 18.00–21.00 and twice 1 h. per day comm. industrial prgr.

★ ITALY ★

RADIOTELEVISIONE ITALIANA (State Service granted by public act to R.A.I)
ADDR.: Direzione Centrale TV, via del Babuino 9, Roma. – **L.P.:** Dir. Prgr. TV: Dr. Sergio Pugliese. Dep. Dir. Prgr.: TV: Dr. Aldo Passante. Dir. Tec. TV: Eng. Sergio Bertolotti. Dep. Dirs. Tec. TV: Eng. L. Sponzilli.: Eng. Gino Orsini.

	ch.		ch.		ch.
Abetone	E	Fiuggi	D	Monte Creo	H
Aosta	D	Gambarie	D	Monte Faito	B
Ascoli Piceno	G	Garfagnana	G	Monte Favone	H
Asiago	F	Genova-Polcevera	D	Monte Lauro	F
Alcamo	E	Genova-Righi	B	Monte Limbara	H
Auronzo	G	Golfo di Salerno	E	Monte Nerone	A
Bagni di Lucca	B	Gorizia	E	Monte Peglia	H
Bellagio	D	Imperia	E	Monte Pellegrino	H
Bolzano	D	Lagronego	H	Monte Penice	B
Bordighera	C	La Spezia	F	Monte Sambuco	H
Borgo Tossignano	G	Lecco	H	Monte Scuro	G
Cagliari	H	Lunigiana	G	Monte Serpeddi	G
Calalzo	G	Madonna di Cam-		Monte Serra	D
Campo Imperatore	D	piglio	H	Monte Soro	E
Carrara	G	Martina Franca	D	Monte Venda	D
Casola Valsenio	G	Massa	H	Monte Vergine	D
Castel di Sangro	G	Merano	H	Mugello	H
Castiglioncello	G	Mercato Saraceno	G	Paganella	G
Catanzaro	F	Milano	G	Pavullo nel Frigna-	
Col Visentin	H	Mione	D	no	G
Como	H	Modigliana	G	Pescara	F
Cortina d'Ampezz.	D	Monte Argentario	E	Pieve di Cadore	A
Courmayeur	F	Monte Caccia	A	Pievepelago	G
Crotone		Monte Cammarata	A	Plateau Rosa	H
Edolo	G	Monte Celentone	B	Plose	E
Feltre	B	Monte Conero	E	Poira	G

Porretta	G	San Nicolao	A	Terminillo	B
Portofino	H	San Pellegrino	D	Terni	F
Potenza	H	Sanremo	B	Tolmezzo	B
Premeno	D	Sassari	E	Torino	C
Punta Badde Urb.	D	Serravezza	G	Trapani	H
Riva del Garda	E	Sestriere	G	Trieste	G
Roma	G	Sondrio	D	Udine	F
Rovereto	E	Spoleto	F	Velletri	E
S, Cerbone	G	Stazzano	E	Vernio	B
S. Marcello Pirtoi-ese	H	Sulmona	E	Villar Perosa	H
		Teramo	D	Zeri	B

Channels:
ch.A = Mc/s 52.5–59.5. ch.B = Mc/s 61–68 ch.C = Mc/s 81–88.
ch.D = Mc/s 174–181. ch.E = Mc/s 182,5–189.5 ch.F = Mc/s 191–198
ch.G = Mc/s 200–207 ch.G = Mc/s 209–216
D. PRGR.: W. 16.30–appr. 22.30. Sun. 08.45–appr. 11.00, appr. 14.30–18.00, 19.30–22.30 (approx)..

★ LUXEMBOURG ★

TÉLÉ LUXEMBOURG (Pr. Comm.)
ADDR.: Compagnie Luxembourgeoise de Télédiffusion, Villa Louvigny, Luxembourg. – **Cable:** Radio-Luxembourg. – **L.P.:** Dir. TV: M. Felten, J. du Closel. Dir. Prgr.: J. Luc. Dir. Tec.: N. Schmit. – STATION: ch. E7 100/25 kW H. Def. 819. – **D. PRGR.:** Mo., Tues., Wed., Fri.: 17.55–21.10. Thurs.: 17.15–21.55. Sat., Sun.: 17.55–21.30.

★ MONACO ★

TÉLÉ MONTE CARLO (Comm.)
ADDR.: 16 Bd. Princesse Charlotte, Monte Carlo. – **Cable:** Telecarlo. – **L.P.:** Dir. TV: René Lescieux. Dir. Prgr.: Louis Merlin. Dir. Tec.: Pierre Besse. – STATION: Def. 819. ch. F10 50/12.5 kW H.: 16.00–22.00. – **Projected:** 50/12.5 kW 1958.

★ NORWAY ★

NORSK RIKSKRINGKASTING (Go.)
ADDR. and L.P.: See Norway. – STATION: Oslo ch. E4 1.3/0.6. Experimental. Irregularly.

★ POLAND ★

POLSKIE RADIO (Go.)
ADDR.: Komitet do Spraw Radiofonii, "Polskie Radio". – Telewizja, Warszawa, Powstánców Warszawy 7. – **Cable:** Polskieradio. – **L.P.:** See Sound Broadcasting. STATIONS. H. Warszawa ch. RIII, 7.5/1.8 kW – Lódz ch. R5, 0.5/0.125 kW. – Poznan ch. R6, 0.05/0.025 kW. – **Projected:** Katowice, Wroclaw, Szczecin, Gdansk Jan. 1958. – **D. PRGR.: Warszawa:** 16.30–21.00 exc. Tues. Sun.: 11.00–20.30. – **Lodz:** D. 3 h. between 17.00–21.00 exc. Tues. – **Poznan:** Wed., Thurs., Sat.: 18.00–20.30, Sun.: 17.00–20.30.

★ PORTUGAL ★

RTP – RADIOTELEVISAO PORTUGUESA (Go. 1/3 of the shares. **Comm.**)
ADDR.: Rua de S. Domingos, á Lapa, No. 26, Lisboa. **Studio:** Alameda das Linhas de Torres, No. 44, Lisboa. – **Cable:** Televisao. – **L.P.:** Pres. for the Board of Adm.: Eng. C. A. de Almeida Gama Lemos de Mendonça. Adm.: Radio Clube Portugues represented by J. B. Moniz. Dr. A. Stichini Villela. Repr. for Go.: A. Alçada de Paiva. Chief Eng.: Eng. F. M. Bordalo Machado. **Dir. Prgr.:** Dr. D. Mascarenhas e Silva. Dir. Adm.: Dr. V. Santos Grilo de Brito. Dir. Comm. Sce.: Dr. C. Alberto Cardoso Ribeiro.
STATIONS: Lisboa: ch. E7 100/20 kW. H. – **Porto:** ch. E9 100/20 kW. H. – **Coimbra:** ch. E3 100/20 kW. – **Montejunto:** ch. 6 12/2.5 kW. H. – **Monchique:** ch.5 12/2.5 kW. H. – **D. PRGR.:** 2 hours.

★ RUMANIA ★

RADIODIFUZIUNEA ROMINA (Go.)
ADDR.: Centrul de Televiziune, Bucuresti str. A. St. Popov Nr. 62, Republica Populara Romina. – **Cable:** Radiodifuziunea Romina, Bucuresti. – STATION: Bucarest ch. RIII 7.5/5 kW. H. – **D. PRGR.:** W. 3 h. daily.

★ SPAIN ★

R. NACIONAL DE ESPANA (Go.)
ADDR.: Paseo de la Habana 77, Madrid. – **L.P.:** Dir. Gen.: D. José Ma Revuelta. Dir. Tec.: D. Joaquin Sanchez-Cordoves. Dir. Prgr., Press.: D José Ramón Alonso. – STATION: Madrid ch. E3, 2/1,5 kW. H. – **Projected:** Barcelona E3, 20/10 kW. – **D. PRGR.:** 32 h. weekly.

★ SWEDEN ★

SVERIGES RADIO TELEVISION
Swedish TV, run Sveriges Radio. has the same non-commercial and official status as the broadcasting service.
ADDR.: Sveriges Radio-Televisionen, Valhallavägen 117, Stockholm Ö. – **Cable:** Broadcast. – **L.P.:** Dir. Gen.: Olof Rydbeck, Mgr.: Henrik Hahr. Dir. Prgr.: Per Martin Hamberg. – Dir. Tec.: Johan von Utfall. Dir. Press.: Philip von Krusenstierna. – STATIONS: Stockholm E4 60/15 kW. – Göteborg E9 1.5/0.5 kW. – Norrköping E5, 1.5/0.2. H. – **Projected** 1/6 1958: Göteborg E9, 15/4 kW. Norrköping E5 15/4 kW. Malmö E10, 1/03 kW. – **D. PRGR.:** D. 2 h. exc. Göteborg 2 h. 15 min.

★ SWITZERLAND ★

SWISS TELEVISION SERVICE (Go.)
ADDR.: Bellerive Studios, 2 Kreuzstrasse, Zürich (Prgr. Sce. in German). – 66, Boulevard Carl Vogt, Geneve (Prgr. Sce. in French). – **L.P.:** Dir. Swiss TV: Edouard Haas. Dir. Prgr. Sce. French: Frank R. Tappolet.

STATION:	ch.	kW		ch.	kW)
Uetliberg (Zürich)	E3	20/4 H[1])	Saentis	E7	30/6 H[1])
Bantiger (Berne)	E2	30/6 H[1])	La Dôle	E4	100/20H[2])
Chrischona (Bale)	E10	10/2 H[1])	Monte Ceneri	E5	10/2 H[3])

Projected: San Salvatore ch. 10 10/2 kW. 1958.
[1]) German prgr. 2) French prgr. 3) Italian prgr.
D. PRGR.: German, French: D. exc. Tues. 19.15–21.00. plus occ. special transmissions. (EUROVISION, sporting events etc.) in the afternoon, plus one Children's Hour weekly 16.00–17.00. – **Italian.:** As soon as the Italian-speaking transmitters are working prgrs. will be relayed from the French- and German-speaking parts of Switzerland with commentary in Italian. – **Relay Facilities:** A microwave link across the Alps. It runs from Gempen, near Bâle (northern border) to Froburg-Bantiger-Jungfrau (12.200 ft.) – Monte Generoso (southern border). This link connects the German and Italian TV systems. – A second microwave link runs from Uetliberg-Froburg-Bantiger-Romont-La Dôle. A new microwave link under construction: La Dôle-Cuiseaux for connection with France.

★ USSR ★

TELEVISION CENTRE (Go.)
ADDR.: Sjablovka 53, Moscow 162. – **L.P.:** Dir. for Television Studio in Moscow: I. Inozemtsev.

		mc/s	m			mc/s	m
Moscow	1	67.4	70.37	Riga	3	67.62	71.12
Moscow II	3	67.62	71.12	Sverdlovsk	3	68.37	71.87
Kiev	2	68.12	71.37	Tallinn	2	67.37	70.87
Leningrad	1	66.87	70.37	Charkov	3	67.62	71.12
Minsk	1	68.12	71.62				

D. PRGR. from Moscow: Mo. to Fri.: from 16.00–20.00. Sat. 15.00–19.00..Sun. c. approx. 11.00–19.30.
Other stations in operation: Taschkent, Tbilisi, Erivan, Vilnius, Stalino, Stalingrad, Krasnojarsk, Rjazan, Baku, Barnerul, Izhevsk, Kalinin, Odessa, Ohmsk, Tomsk, Alma, Ata, Novosibirsk, Karaganda. It is planned to have 75 T.V. centres in 1960 and in 1960 the number of televisionreceivers is estimated to be 7.000.000.

★ YUGOSLAVIA ★

ADDR.: Radio televizija Zagreb, Jurisiceva 4, Zagreb – Radio televizija Ljubljana, Tavcarjeva 17, Ljubljana – Radio televizija Beograd, Hilendarska 2, Belgrade. – **L.P.:** R. televizija Belgrade: Dir. Gen.: M. Tepavac. Dir. Prgr.: M. Hadzic. – R. televizija Zagreb: Dir. Gen.: I. Sibl. Dir. Prgr.: D. Strbac. – R. televizija Ljubljana: Dir. Gen.: F. Perovsek. Dir. Prgr.: L. Pohar.
STATIONS (Exp.): 19.00–22.00.

	ch.	kW		ch.	kW	
Zagreb	E9	4/1.5 H	Belgrade	E6	10/3	[1])
Ljubljana	E10	0.25/0.06H	–	E10	0.25/0.25	[2])
			–	E10	3/1	[1])

[1]) Projected. [2]) Experimental.

AFRICA

★ ALGERIA ★

RADIODIFFUSION TELEVISION FRANCAISE (Go.)
ADDR.: 10 rue Hoche, Alger. – **L.P.:** Dir.: Merlet. Dir. Prgr.: Bataille (Journal télévisé only), Ramettre. Dir. Tec.: Godin. – STATION: Alger (H) ch. F11 0.05/0.05 kW H. Def. 819 – **D. PRGR.:** 18.30–21.30. – **Projected:** Oran ch. F8 0.05/0.05 kW. H. April 1958.

★ ERITREA ★

AFRTS (Army): Kagnew St., Asmara. KANU-TV ch. A8.

NEAR EAST

★ CYPRUS ★

CYPRUS BROADCASTING SERVICE (Go.)
ADDR.: P.O. Box 824, Nicosia, Cyprus. – Cable: "Broadcasts, Nicosia". – L.P.: Dir.: Commander J.C.R.Proud. Controller of TV: Hedley Chambers. Dir. Tec.: A.D.Belle. A.M.I.E.E., B.Sc.Eng. Contr. of Adm.: G.C.Wilkinson. – STATION: Cyprus TV Sce. ch. B2 0.5/0.25 kW H. – D. PRGR.: D. 16.30–18.30.

★ IRAQ ★

TELEVISION BAGHDAD (Go.)
ADDR., L.P.: See Sound Broadcasting. – STATION: Baghdad ch. 8: D. 15.30–19.15. L.P.: Dir. Gen. Brig. M. M. Ali. Mgr. Y. J. Hamad. Dir. Tec.: K. A. A. Hakim.

★ SAUDI ARABIA ★

AFRTS: ADDR.: Commander, 2nd Air Division, Det. 2, APO 616, New York, N.Y. – STATION: Dharan Field ch. A8 0.05/0.05 kW. – Arabian American Oil Comp.: TVstation under construction at Dharan.

★ TURKEY ★

TEKNIK UNIVERSITE (Go.) Elektrik Fakültesi, Yüksek frekans teknigi Kürsüsü, Istanbul. – L.P.: Prof. A.Ataman. – STATION: E4 0.1/0.1 d. – D. PRGR.: (exp.): Thurs. 15.00–17.00. No transmissions during summer.

EAST

★ JAPAN ★

NIPPON HOSO KYOKAI (Public Corporation, non-comm.)
ADDR.: The Japan Broadcasting Corporation, 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo. Cable: Radio NHK. – L.P.: See sound broadcasting. Chief of TV (Prgr.): Yoshio Yoshikawa.
STATIONS: In Operation: H: 02.10–04.15, 09.00–13.30. H. Tokyo, Nagoya: ch. J3 10/5 kW. – Osaka: ch. J4 10/5 kW. – Hiro-shima, Sendai, Sapporo: ch. J3 5/2.5 kW. – Shizuoka ch. J5 1/0.5 kW. – Kokura: ch. J6 1/0.5 kW. – Fukuoka: ch. J3 0.5/0.25 kW. – Hakodate: ch. J4 0.25/0.125 kW. – Matsuyama: ch. J6 0.25/0.125 kW. – Projected: Okayama: ch. J5 5/25 kW. – Kanazawa: J4 1/0.5 kW. – Kumamoto: ch. J9 1/0.5 kW. – Kagoshima: ch. J3 5/2.5 kW. – Scheduled Date of Operation: During the period from the late 1957 to early 1958.

PRIVATE COMMERCIAL STATIONS:
CHUBU NIPPON Broadc. Co. Ltd., 15–4 Shinsakae-Machi, Naka-ku, Nagoya. – JOAR TV ch. J5 10/5 kW.
HOKKAIDO BROADC. CO.: 2–3 chome Nishi, Ichijo-Minami, Sapporo, Hokkaido. – JOHR TV ch. J1 10/5 kW.
NIPPON TV NETWORK CORP. (Nippon Television Hosomo Kabusiki Kaisha) 14 Nibancho, Chiyodaku, Tokyo. – President: Y. Shimizu. Dir. Prgr.: T.Kusumi. Dir. Tec.: M.Yoshikawa. – JOAX TV ch. J4 100/50 kW V. – D. 11 h. – Projected stations: Osaka 120/60, Nagoya 100/50, Fukuka 100/50 kW 1959.
OSAKA TELEVISION BROADCASTING CORPORATION 13, Naka 1-chome, Dojima, Kita-ku, Osaka, Japan. Cable: JOBX TV Osaka. – Pres.: Ko Suzuki. Dir. Prgr.: K.Hara. Comm. Dir.: T. Nagamatsu. Director General Affairs: D.Ado. Dir. Tec.: K.Endo. – In operation: Def 525: JOB-TV ch. J6 100/20 kW. – Mo.–Fri.: 02.35–04.10, 08.15–14.08. Sat.: 02.15–04.55, 08.15–14.30. Sun.: 23.00–14.08. In addition special events are to be televised whenever occasion arises.
RADIO TOKYO – TV: 1–2–1. Yuraku-cho, Chiyodaku, Tokyo. Cable: JOKR, Tokyo. L.P.: See sound broadcasting. – JOKR-TV ch. J6 10/5 kW: 02.30–04.00, 09.00–14.00. – Projected Stations: JOFR-TV ch. J4 5/2 kW. – JOCX-TV J8 10/5 kW. – JODX-TV J8 10/5 kW. – JOEX-TV J10 10/5 kW.

★ KOREA (SOUTH), Rep. of ★

KORCAD CORPORATION (Comm.:) ADDR.: No. 1 Nam Dai Moon-ro 1 st St. Seoul. – STATION: HLKZ Korcad-TV ch. A9.
AFKN-TV (Go.): Headquarters, USAE, AFKN, APO 301, S. Francisco. Comm. Officer M. R. H. Nothdurft. Ch. A3 0.5/0.1 V.: 05.30–13.30.

★ THAILAND ★

THAI TELEVISION CO. LTD. – ADDR.: Bang Khoon Prom, Bangkok. Cable: Thai TV. – L.P.: Dir. Gen.: Prasong Hongsananda. Dir. Prgr.: Chamnong Rangsikul. Dir. Tec.: Amporn Potpisuthi. Dir. Press.: Sanpsiri Viryasiri. – STATION: ch. A4 29/14.5 kW H: Tues.–Sun.: 11.15–15.00.

PACIFIC

★ AUSTRALIA ★

THE NATIONAL TELEVISION SERVICE
National Television is controlled by the Australian Broadcasting Commission, which is responsible to the Postmaster-General, whose department controls the transmitters. Television began in Australia in November 1956. – ADDR.: Australian Broadcasting Commission, 264 Pitt Street, Sydney. Cables: ABCOM Sydney. – L.P.: See Sound Broadcasting. Co-ordinator of TV: T.S.Duckmanton. Dir. Tec.: L.D.Hadfield.
The A.B.C. controls one station in Sydney (ABN) and one in Melbourne (ABV). Both operate on ch. 2 (63–70 mc/s) 100/24 kW H. Def. 625. The operating schedule (English) of both stations: Sun.: 07.00–08.00, 09,00–12.00. Mo.–Fri.: 05.30–06.00, 07.00–07.30, 09.00–12.00. Sat.: 04.00–07.00, 09.00–12.00.
PRIVATE COMM. STATIONS:
AMALGAMATED TELEVISION SERVICES, Pty, Ltd. (A.T.N.) 76–80 Elisabeth Str., Sydney: ch. B7 100/20 kW: 06.30–13.00.
TELEVISION CORP. Ltd. (TCN), 168 Castlereagh Str., Sydney: ch. B9 100/20 kW: 07.54–12.00.
GENERAL TELEVISION CORP. (G.T.V.) Pty. Ltd., 22 Bendigo Str., Richmond E1, Victoria. – L.P.: Gen. Mgr.: C.B.Bednall. Dir. Tec.: R.J.Biddle. Dir. Prgr.: N.Spencer. – STATION: ch 9 100/20 kW: 07.30–12.30.
HARALD SUN TV (H.S.V.), Pty, Ltd.: Cur Dorcas and Wells Str., So. Melbourne: ch. B7 100/20 kW.

★ HAWAII ★

HOURS OF TRANSMISSION: 22.00–10.00. Comm.
HAWAIIAN BROADCASTING SYSTEM Ltd., 1534 Kapiolani Blvd., Honolulu: KCMB-TV ch. A9 105/50 kW. KHBC-TV, Hilo: ch. A9 1/0.5 kW. KUAU-TV, Mt. Haleakala, Maui: ch. A3 6/3 kW. – **KAISER STATION**, Hawaiian Village, Honolulu: KHVH-TV ch. A13. – **R. HONOLULU Ltd.**, 206 Koula Str., Honolulu: ch. A2 60/30 kW. – **TELEVISION CORPORATION OF AMERICA**, 1290 Ala Moana Blvd., Honolulu: KULA-TV ch. A4 25.3/12 kW. – **MAUI PUBLISHING CO.**, Box 374, Wailuku, Maui: KMVI-TV ch. A12 30.2/15 kW. L.P.: Gen. Mgr.: E.J.Crane.

★ MARIANAS ISLANDS ★

GUAM: KUAM-TV: ch. A8 0.43/0.21 kW: 10.00–approx. 16.00.

★ PHILIPPINES ★

BOLINAO ELECTRONICS CORP.: 5th Floor, Republic Super, Market Building, Manila. – L.P.: Gen. Mgr.: J.B.Lindenberg. – STATION: DZAQ-TV ch. A3 7/3 kW. Def. 525: 07.00–14.00.
PROJECTED: The Republic Broadcasting System. The Manila Broadcasting Comp. The Evening News. The Manila Cronicle

NORTH AMERICA

★ ALASKA ★

Commercial Stations:

	ch.	kW		
KENI-TV	2	6/3	01.00–10.00	Midnight Sun Br. Co., Anchorage
KFAR-TV	2	6/2.5	01.00–10.00	Midnight Sun Br. Co., Fairbanks
KINY-TV	8	0.5	04.00–09.30	Alaska Broadc. Co., Seattle
KTVA-TV	11	11/5	02.00–10.00	Northern Television, Anchorage
KTVF-TV	11	11/5.5	02.00–10.00	Northern Television, Fairbanks
AFRTS:	8	0.1/0.03	03.00–10.00	Fort Greely, Big Delta

★ CANADA ★

CANADIAN BROADCASTING CORP. (Publicly owned)
ADDR.: Quebec Region: CBFT, CBMT: 1425 Dorchester Str., West, Montreal. – Maritime Region: CBHT, Bell Road, Halifax, Nova Scotia. – Prairie Region: CBWT, 541 Portage Avenue, Winnipeg, Manitoba. – British Columbia Region: CBUT, 701 Hornby Str., Vancouver. – Ontario Region: CBLT, 354 Jarvis Street, Toronto. CBOT, CBOFT, P.O. Box 39, Westboro, Ottawa.
L.P.: Controller of Operations – Ottawa: J.P.Gilmore. – Qu. Region: CBFT, CBMT: Dir.: A.Ouimet. Prgr. Dir.: F.Guerard. Prgr. Dir.: D.McGill. Tech. Dir.: C.Frenette. – Maritime Region: CBHT: Dir.: F.Brickenden. Prgr. Dir.: C.MacCaul. Tech. Dir.: J.Simonsen. – Prairie Region: CBWT: Dir.: W.Carpentier. Prgr. Dir.: B.D.Mc Pherson. Tech. Dir.: H.Heywood. – B.C. Region: CBUT: Dir.: Hugh Palmer. Prgr. Dir.: M.Munro. Tech. Dir.: R.Whiteside. – O. Region: CBLT: Dir.: F.Mutrie. Prgr. Dir.: R.W.McGall. Tech. Dir.: R.

Horton. CBOT–CBOFT: Man.: Georges Huard.: Prgr Dir.: Dennis Townsend. Tech. Dir.: J.Book.
Stations: Def. 525

		ch A	kW v.	kW s.			ch A	kW v.	kW s.
Montreal	CBFT	2	100	50	Vancouver	CBUT	2	47.6	25.4
Montreal	CBMT	6	43.8	26.2	Toronto	CBLT	6	99.5	53.5
Halifax	CBHT	3	56.5	33.8	Ottawa	CBOT	4	50.1	26.7
Winnipeg	CBWT	4	56.2	33.7	Ottawa	CBOFT	9	31	17

CBOT: Mo.–Fri.: 22.00–05.30. Sat. 20.00–06.00. Sun. 18.00–05.30. CBOFT: D. 10.00–02.30 exc. Sat.: 18.30–06.00. – CBHT: W. 20.30–04.15.
TV F. cilities: A microwave link is in operation between Halifax, Nova Scotia, and Edmonton, Alberta, and will be extended to Vancouver, B.C. in 1958.
PRIVATE STATIONS (Comm.)

	ch.	kW	
1) CJCB-TV	4	100/60	318 Charlotte St., Sydney, N.S.
2) CHSJ-TV	4	100/50	14 Church St., Saint John, N.B.
3) CJBR-TV	3	60.6/34.5	6 St. Jean St., Rimouski, Quebec.
4) CFCM-TV	4	12.6/6.3	145 Rue St. Jean Bosco, Ste. Foy, Quebec, P.Q.
5) CHLT-TV	7	180/176	3 Marquette St., Sherbrooke, P.Q.
6) CKWS-TV	11	257/154	170 Queen St., Kingston, O.
7) CHEX-TV	12	102/61.2	P.O. Box 696, Peterborough, O.
8) CHCH-TV	11	100/60	163 Jackson St., West Hamilt., O.
9) CKCO-TV	13	57.5/29.5	864 King St., West Kitchener, O.
10) CFPL-TV	10	325/195	P.O. Box 488, London, O.
11) CKLW-TV	9	325/180	825 Riverside Drive West, Windsor, O.
12) CKSO-TV	5	2.02/1.21	Regent and Ash St., Sudbury, O.
13) CPFA-TV	2	5.1/2.55	87 North Hill St., Port Arthur, O.
14) CKCK-TV	2	100/53.5	Leader Post Bldg., Regina, Saskatoon Sas.
15) CFQC-TV	8	100/60	216 First Avenue North, Sas.
16) CHCT-TV	2	100/50	P.O. Box 550, Calgary, Al
17) CFRN-TV	3	180.3/90.4	109 CPR Bldg., Jasper Avenue, Edm.
18) CJIC-TV	2	28/15	119 East St. Sault Ste. Marie, O.
19) CKX-TV	5	19.3/9.65	30th St. Victoria Ave., Brandon, M.
20) CKCW-TV	2	25/15	Knights of Pythias Hall, Moncton, N.B.
21) CJON-TV	6	21/11	Broadc. House, Prince of Wales St., St. John's, NF.
22) CKVR-TV	3	26.6/13.3	P.O. Box 69, Barrie, O.
23) CJLH-TV	7	171/85.5	1015–3rd Ave., S., Lethbridge, Al.
24) CFCY-TV	13	79/39	85 Kent St., Charlottetown, P.E.I.
25) CKRS-TV	12	42/21	735 St. Hubert St., Jonquiere, Qu.
26) CKNX-TV	8	36/19.5	Corner Carling Terrace & St. John St., Wingham, O.
27) CKGN-TV	10	51.5/25.7	P.O. Box 630, North Bay.
28) CFCL-TV	6	18.5/9.25	192 Toke St., Timmins.

3) **CJBR-TV:** Mgr.: A.Lecomte. – **D. Prgr.:** 20.30–04.00.
7) **CHEX-TV:** Mgr.: Dr. Lawrie. – **D. Prgr.:** 20.30–03.15.
9) **CKCO-TV:** Gen. Mgr.: E.E.Fitzgibbons. – **D. Prgr.:** 17.00–06.00.
10) **CFPL-TV:** Pres. Mgr.: Dir.: W.J.Blackburn. – **D. Prgr.:** 17.30–04.30.
14) **CKCK-TV:** Mgr.: H.A.Crittenden. – **D. Prgr.:** 22.30 (Sun. 20.30)–07.00.
15) **CFQC-TV:** Gen. Mgr.: G.Blair Nelson. – **D. Prgr.:** 22.30–07.30.
16) **CHCT-TV:** Calgary Television Ltd. Mgr.: H.Stewart. – **D. Prgr.:** 19.30–08.00.
17) **CFRN-TV:** Gen. Mgr.: G.R.A.Rice. Dir. Tec.: F.G.A.Makepeace. – **D. Prgr.:** Sun. 21.30–07.00. W.: 23.00–06.30 (Sat. 08.30).
18) **CJIC-TV: L.P.:** Gen. Mgr.: J.J.Hyland. Mgr.: Sam Pitt.
22) **CKVR-TV:** Gen. Mgr.: R.T.Snelgrove. – **D. Prgr.:** 21.15–04.15.

★ UNITED STATES ★

ADDR.: Dept. of Health, Education and Welfare, Office of Education Washington 25, D.C. – **L.P.:** Franklin Dunham, Chief of Radio.

EDUCATIONAL:
Approx. 500 commercial TV stations carry educationa lprgrs. during free periods and many comm. sponsored educational prgrs. appear on TV regularly. 256 television channels has been reserved by F.C.C. for the use of non-commercial educational stations. Twenty-seven such stations are now in operation, mainly in the large cities and at university centers. They are of three types: 1) Community stations supported by voluntary funds; 2) university stations supported by State and local budgets; 3) State-owned networks covering entire divisions of the country supported entirely by taxation. The States having this type of operation are all located in the Southern areas. – An interesting development for educational purposes is now to be found in closed-circuit TV, limited to universities and to individual school systems. A prgr. sce. known as the Educational Television and Radio Center located at Ann Arbor, Michigan supplies 10 hours per week of educational TV prgrs. to the present stations and, in addition, distributes through the University of Indiana its prgrs. to both closed-circuit and film projectors which are in use in approx. 2500 schools in the Nation. – There are 50 additional non-comm. educational stations in process of being organized which will eventually reach a potential audience of 100 million people. The present network of 27 stations now serves an audience of 40 million people in a country whose population is growing at the rate of one million people per year and now stands at 172 million.

THE ARMED FORCES RADIO & TELEVISION SERVICE
AFRTS operates an experimental TV station at Limestone, Maine, USA. AFRTS operates TV-stations in Alaska, Azores, Eritrea, Tripoli, Saudi Arabia, Okinawa, Bermuda, Eniwetok, Guam, Cuba, Canal Zone, Philippine, Ryukyu Isl., Iceland. (low power ch. A8).
COMMERCIAL: 219 commercial TV stations.
American Broadcasting Co. TV: Owned stations WABC, WBKB, KABC, KGO, WXYZ.
Columbia Broadcasting System Inc. TV: Owned stations: WCBS, KNXT, WBBM, WXIX, WHCT.

CENTRAL AMERICA

★ BERMUDA ★

BERMUDA BROADCASTING CO.
ADDR.: Bermudiana Rd. ,Hamilton. Man. Dir.: W. Statskow. Dir. Prgr.: W. Holmes. Dir. Tec.: A. Harris. Ch. 1-A10 5/0.25 kW.
AFRTS (Air Force): Kinddbyfield. ZBK-TV ch A10- 0.2/0.05 kW: Dir. Gen. Capt. R. Greene Mgr.: M/Sgt. T.W. Costello: 19.00–03.00.

★ CUBA ★

CIRCIUTO CMQ S.A. (Comm.), Radiocentro, Vedado, Habana. – **L.P.:** See Sound Broadcasting: Habana CMQ-TV ch. A6 100/50 kW. d. V. Matanzas CMGQ-TV ch. A9 29/14.5 kW. V. Santa Clara CMHQ ch. A5 26/13 kW. V. Ramaguey CMJL-TV ch. A6 58/29 kW. V. Santiago de Cuba CMKU-TV ch. A2 14/7 kW. V. – **D. PRGR.:** 14.00–05.00. – **PROJECTED ST.:** Ciego de Avila ch. A7 30/15 kW V. Holgúin ch. A3 15/7.5 kW. V. Pinar del Rio ch. A3 15/7.5 kW. V.
CADENA NACIONAL S.A. CMBF, Apt. 628, Habana. – **L.P.:** Dir. Gen.: A. Hermandez Catá. Dir. Tec.: A. Barranco. Dir. Sale: M. A. Gutiérrez. Dir. Prgr.: A. Vidar. – CMBF: Habana ch. A4 10/6 kW. – Matanzas ch. A13 5/2.5 kW. – Santa Clara ch. A3 5/2.5 kW. – Camaguey ch. A4 5/2.5 kW. – **Projected St.:** 1958: Ciego de Avila ch. A2 0.5/0.25. Holguin ch. A8 5/2.5 kW. Santiago de Cuba ch. A5 5/2.5 kW.
TELEDIARIO, Habana. CMTV ch. A11 5/2.5 kW.
TELEMUNDO: (Comm.): ADDR.: Calle 23 y P., Vedado, Habana. – Habana CMAB TV ch. A2 100/60 kW d. – Matanzas ch. A11. Las Villas ch. A8. – Jatibonico ch. A12. – Camagüey ch. A9. – Holguin ch. A13. – Stgo. de Cuba ch. A7: 40/8 kW: 12.00–04.30.
AFRTS: WGBY-TV ch. A8. – **Addr.:** Guantanamo Bay U.S. Nava[1] Base, Box 19, Navy 115, c/o FPO, New York.

★ DOMINICAN REP. ★

LA VOZ DOMINICANA-TV (Comm.): Calle Miami Cuidad Trujillo D.S.D. **Cable:** Dominicana. **L.P.:** Dir. Gen.: A. E. Santamaria. HIT-TV ch. A4 16/8 kW.

★ EL SALVADOR ★

TELEVISION SALVADORENA S.A. (Comm.): ADDR.: 2a Avenida Norte No. 22, San Salvador. – **L.P.:** Gen. Mgr.: Boris Eserski. – **ST.:** YSEB-TV ch. A6 1.5/0.75 kW.
TELEVISION YSU, S. Salvador. ADDR.: YSU-TV ch. A4 77/38 kW.: 18.00-20.00, 23.00–04.00. **L.P.:** Dir. Gen.: R. Trabanino.

★ GUATEMALA ★

TELEVISION NACIONAL (Go.), 18 Calle de Septiembre y 7a Av. Zona 1, Guatemala City. – **L.P.:** Dir.: J.T.Barrios. Dir. Tec.: M. A. Mazariegos C. – TGW-TV ch. A8 0,1/0.018 kW V.: 02.00–05.00. – (1958: 18/1.5 kW.)
TELEVISION GUATEMALA S. A. (Comm.), 8a Av. 9–23 Zona 1, Guatemala City. – **L.P.:** Dir. Gen.: M.Bolanos G. Dir. Tec.: M.Batres S.: TG-BOL-TV ch. A3 5/2.5 kW V.: 23.50–05.00.

★ MEXICO ★

TELESISTEMA MEXICANO S.A.:
ADDR.: Ed. Televicentro, Av. Chapultepec 18, Mexico City D. F. – **Owner.:** Cadena Radiofusora Mexicana S. A. – **ST.:** XEW-TV ch. A2[1]) XEQ-TV ch. A9 5 kW[2]. rel. XEW (O.: R. Panamericana S.A.). – XH-TV ch. 4 5 kW[3] (O.: Television de Mexico S.A.). – XEX-TV ch. 7 7.5 kW[4] rel. XH-TV (O.: Television Paso de Cortes). – XHGC ch. 5 5 kW[5] (O.: Television Gonzales Camarena). – XEZ-TV ch. 3 10 kW[6] rel. alternately ch. 2 and 4 (O.: Television del Centro.) – All the stations are operated by Telesistema Mexicano S.A.: 21.00–07.00. Pres.: Gen. Mgr.: Emilio Azcárraga.
[1]) Ci. de Mexico. [2]) Altzomoni, Paso de Cortes. [3]) Ci. de Mexico. [4]) As [2]). [5]) Ci. de Mexico. [6]) El Pinal del Zamorano.

XEQTV, XEXTV, AND XEZTV are relays of XEWTV and XHTV respectively; the rel. st. of XEZTV is used as a relay station for XEW and XHTV. XEQTV and XEXTV are located on Paso de Cortes at a height of almost 5000 meter over the sea level, and XEZTV located on the Zamorano hill near the state of Queretaro.

TELEVISORA DEL NORTE S.A., 5 de Mayo Oriente 110, Monterrey, N.L.: XHNL-TV ch. A10 5 /kW. Projected: ch. 2 5 kW. –

RADIO TELEVISIÓN, S.A., Av. "C" 385-6, Tijuana, Baja. Cal.: XE-TV ch. A6 5 kW. – **TELEVISIÓN DE CHIHUAHUA, S.A.**, Chihuahua. XERA-TV 5 kW. – **Affiliated to Telesistema.**

TELEVISIÓN DE LA FRONTERA, S.A., Vicente Guerrero 704, Ci Juárez. XEJ-TV. ch. A5 0.5/0.25 kW.

TELEVISION DE MATAMOROS, S.A., c/o Romulo O¹ Farrill, Alfonso Herrera 67, Mexico. XELD-TV ch. A7 5 kW.

PROJECTED ST.: Television de Torreón, Torreón. ch. A4 1 kW. – Television de Mexicali, S.A., Mexicali. XEM-TV ch. A3 5 kW. – Television de Calimex, S.A. ch. A12 5 kW. – El Pinal del Zamorano ch. A6 25 kW. Rel. ch. 4 Ci. de Mexico. – La Piedad ch. A4 7.5 kW. – Guadaljara ch. A4 5 kW.

★ PANAMA ★

RADIODIFUSION PANAMERICANA S.A., Calle 8° y 9a, Pargue Lefevre: HOA-TV ch. A2 0.5/0.25 kW*. – **CORPORACION PANAMENA DE RADIODIFUSION S.A.**, Policlinica del Seguro Social, Panama: HOHM-TV ch. A4 0.5/0.25 kW*. – **CORPORACION PANAMENA DE RADIODIFUSION S.A.**, Cerro Campana Colon: HOH2-TV ch. A6 0.5/0.25 kW*. – **FUERZAS ARMADES DEL CARIBE**, Fuerte Clayton Z. del C.: CFN-TV Panama ch. A8 0.25/0.05 kW. Colon CFN-TV ch. A10 0.25/0.05 kW. – **RADIODIFUSION PANAMERICANA S.A.**, Ed. El. Panama America, Colon: HOW-TV ch. 12 0.5/0.25 kW.*: * under Construction.

★ PUERTO RICO ★

Call	ch.	kW	Comm. exc. Dept. of Education
WKAQ-TV	2	100/50	El Mundo Inc., Box 1072, S. Juan.
WAPA-TV	4	56.2/33.9	Ponce de Leon Broadc. Co. Inc., Box 4563, S. Juan.
1) WKAQ-TV	3		El Mundo Inc., Box 1072, S. Juan.
1) WAPA-TV	3	56.2/33.9	Ponce de Leon Broadc. Co. Inc., Box 4563, S. Juan.
WORA-TV	5	29.5/17.8	Supreme Broadc. Co. Inc., Mayaguez.
*) WORA-TV	5	10/3	R. Americas Corp., Box 43, Mayaguez.
WIPR-TV	6	100/50	Dept. of Education, Box 4863, S. Juan.
WRIK-TV	7	1.4/0.7	Geo A. Mayoral & W. Cortada, Ponce.
	7		Dept. of Education of P.R. Ponce.
WSUR-TV	9	0.8/0.4	American Colonial Broadc. Corp., Box 4189, San Juan.
	11	2.6/1.3	

Hours of Transmission: 17.00 or 19.00 to approx. 03.00.
*) Operation in conjunction with WKAQ-TV. Construction permit granted. 1) Application filed at F.C.C. 2) Construction permit granted.

SOUTH AMERICA

★ ARGENTINA ★

R. BELGRANO Y PRIMERA CADENA ARGENTINA DE BROADCASTING S.A., Buenos Aires. – **L.P.:** Dir. Julio Bringer Ayala. – LR3 ch. A7 5 kW: D. 22.00–04.00.

★ BRAZIL ★

R. RIO LTD., Rio de Janeiro: ch. A13 25/25 kW. – **S. A. RADIO TUPI**, Rio de Janeiro: ch. A6 25/25 kW. – **R. DIFUSORA DE SAO PAULO S/A**, Sao Paulo: PRB9-TV ch. A3 25/25 kW. **R. RECORD S/A**, Sao Paulo: ch. A7 25/25 kW. **R. TELEVISAO PAULISTA S/A**, rua da Consolacão 2532, Sao Paulo. RTP ch. A5 24.6/12: 17.00–03.00. – **R. TELEVISAO ITACOLOMY**, Minas Gerais: ch. A4 10/10 kW. – **R. TELEVISAO ROQUETO PINTO**, Rio de Janeiro. PRD-TV ch. A2 25/25 kW. PRG3-TV ch. A6 21.2/12.7 kW. – **EMISSORAS UNIDAS**, Rio de Janeiro. R. Record-TV; ch. A13. – **EMISSORAS ASSOCIADAS**, Sao Paulo. PRF3-TV; ch. A3 18.4/9.2 kW.

★ COLOMBIA ★

R. DIF. TELEVISORA NACIONAL (Go.), Bogota.
HJRN-TV: ch. A8 1/0.25 kW.
Satellite stations: Cali ch. A11; Cerro Majui ch. A7; Manizales ch. A9; Medellin ch. A6.

★ URUGUAY ★

SOCIEDAD ANONIMA EMISORAS DE TELEVISION Y ANEXOS (S.A.E.T.A.), (Comm.) Calle Uruguay 1218, Monte video. ch. A10 0.35/0.17 kW: 22.30–00.30.

SODRE (Go.), Calle Mercedes 973, Montevideo. CXA-TV ch. A5 5/2.5 kW. approx. 2–3 h. daily

★ VENEZUELA ★

TELEVISORA NACIONAL (Go.), Llaguno a cuartel Viejo, Caracas. – YVKA-TV ch A5 37.2/18.6 kW.

TELEVISA (Comm.), Av. S. Juan Francisco de la Salle, La Colina Caracas. STATIONS: YVLV-TV: Caracas ch A4 15/7.5 kW. Valencia: ch. A11 0.33/0.16 kW. Maracaibo ch A4 1/0.5 kW. La Guaira ch. A9-3.3/1.6 kW.

RADIO CARACAS-TV (Comm.). Ed.R.Centro, Barcenas á Rio, Caracas. – **L.P.:** Dir. Gen.: A. Espina. Dir.Tec.: J. M. Coello. Dir. Inf.: F. Cardona M.: Caracas ch A2 64/32 kW H. Curimagua ch 10 330/165 kW. Maracaibo ch A2 600/300 kW. Carabobo ch A7 12.8/6 kW. La Guayra ch A7 10/5 kW. Barquisimeto ch A2 0.5/0.25 kW. – **Projected:** Puerto La Cruz ch A7 0.2/0.1 kW Dec. 1957.
ONDAS DEL LAGO (Comm.). Under construction ch 13A.
RADIO VALENCIA (Comm.). Under construction ch A13.

★ STANDARD FREQUENCY STATIONS ★

L.T.: WWV GMT ÷ 5 h. WWVH ÷ 10 h. – **L.:** English.

R. STATION WWV AND WWVH (Go.)

ADDR.: Nat. Bureau of Standards, Boulder Laboratories, Boulder, Colorado, USA. – WWV: Box 182, Route 2, Lanham, Maryland. – WWVH: Box 901, Puunene, Maui, T.H. – **L.P.:** Dir. Tec., WWV: Fr. Sera. Dir. Tec., WWVH: S. Katahara.
STATIONS:
WWV: 2500 kc/s 120 m 1 kW – 5000 kc/s 60 m 10 kW – 10000 kc/s 30 m 10 kW – 15000 kc/s 20 m 10 kW – 20000 kc/s 15 m 1 kW – 25000 kc/s 12 m 0.1 kW.
WWVH: 5000 kc/s 60 m 2 kW – 10000 kc/s 30 m 2 kW – 15000 kc/s 20 m 2 kW. – WWV and WWVH broadcast continuously night and day standard radio freq., standard audio freq., standard time intervals, t.s. and radio propagation disturbance warnings. WWVH is interrupted 4 minutes after each h. and half h. and 34 minutes beginning at 19.00 UT each day.
ANN.: "National Bureau of Standards, WWV, when the tone returns Eastern Standard Time is ... AM or ... PM". – **V.** by QSL-card or letter. – **PUB.:** Prgr. sched. on request.

NATIONAL PHYSICAL LABORATORY (Go.)

ADDR.: Teddington Middlesex, Gt. Britain.
MSF STANDARD FREQUENCY SERVICE:

kc/s	m	kW		kc/s	m	kW	
60	5000	10	14.29–15.30	5000	60	0.5	continuous*)
2500	120	0.5	– *)	10000	30	0.5	– *)

*) exc. for break in transm. from 15–20 minutes past each h.
ANN.: Call sign three times in slow Morse. "This is MSF, Rugby England transmitting carrier and modulation frequencies within 2 parts in 108 of nominal on 2500, 5000 and 10000 kc/s". – **V.** by letter.

ROYAL GREENWICH OBSERVATORY

ADDR.: Time Dep., Herstmonceux Castle, Hailsham Sussex, England. The international time signals of the Royal Greenwich Observatory are radiated as follows: 10.00 & 18.00: 19.6 kc/s, 12190/17685 kc/s.

TIME SIGNALS FROM DOMINION OBSERVATORY, CANADA

ADDR.: Dominion Observatory, Ottawa, Ontario. – **L.P.:** Dominion Astronomer: Dr. E.S. Beals. Dir. Time Sce.: M.M. Thomson.
STATIONS: CHU 3330 kc/s 90.09 m 0.3 kW – 7335 kc/s 40.90 m 3 kW 14670 kc/s 20.45 m 0.3 kW. – **D. PRGR.:** 24 h. a day. – **ANN.:** Hours and minutes announced during the last 10 seconds of each minute: "Dominion Observatory, Canada, Eastern Standard Time ... hours ... minutes". – **V.** by QSL-card. – **PUB.:** Prgr.-sched. free on request

STATION JJY

ADDR.: R. Research Laboratories, 13-6 chome, Iigurā, Azabu, Minato-ku, Tokyo, Japan.
Standard Freq. & Time Signals:

2500 kc/s	2 kW	06.59–22.59		10000 kc/s	2 kW	24 h. a day	
5000	– 2 –	24 h. a day		15000	– 2 –	24 h. a day	

The st. is off the air every 29–39 minute of the hour. – **V.** by QSL-card.

STATION LOL

ADDR.: Observatorio Naval del Ministerio de Marina Costanera Sud, Buenos Aires. – **L.P.:** Dir. Gen.: A Acevedo. Dir. Tec.: A. Ricart.
Standard Freq. and Time Signals: LOL:
5000 kc/s 2 kW 10000 kc/s 2 kW 15000 kc/s 2 kW.
D. on all freq.: 11.00–03.00.
Has YGY alert calls each $4^1/_2$ resp. $34^1/_2$ minute after full hour.

LONG- AND MEDIUM WAVE STATIONS

EUROPE — NORTH AFRICA — NEAR EAST

For medium waves of the other countries see the individual countries.

kc/s	Metres	kW	Stations
151	1987	500	**Mosow I** - USSR
155	1935	10	**Tromsö** - Norway
—	1935	150	**Brasov** - Rumania
164	1829	250/500	**Allouis** - France
173	1734	1000	**Munich (VOA-RIAS)** - Germany
—	1734	500	**Moscow I** - USSR
182	1648	100	**Reykjavik** - Iceland
—	1648	10	**Luleå** - Sweden
—	1648	120	**R. Ankara** - Turkey
184	1621	400	**Europe No. 1** - Saar
185	1622	100	**Deutschlandssender**
191	1571	35	**Tblisi** - USSR
—	1571	150	**Motala** - Sweden
200	1500	100	**Moscow II** - USSR
—	1500	400	**Droitwich** - Gt. Brit.
209	1435	150	**Kiev I** - USSR
218	1376	10	**Baku** - USSR
—	1376	200	**Oslo** - Norway
227	1322	500	**Warsaw I** - Poland
233	1287	500	**Luxembourg I**
236	1271	100	**Leningrad I** - USSR
245	1224	150	**Kalundborg I** - Denmark
254	1181	200	**Lahti** - Finland
263	1141	150	**Moscow II** - USSR
272	1102.9	200	**Praha II** - Czechosl.
281	1068	100	**Minsk** - USSR
340	882.4	100	**Moscow II** - USSR
385	779	50	**Kharkov** - USSR
433	693	10	**Oulu** - Finland
511	587	0.25	**Sulitjema** - Norway
520	577	2	**Braunschweig NDR** - Germany
—	577	1	**Joensuu** - Finland
—	577	5	**Bayreuth (B.R.)** - Germany
—	577	0.2	**3 low power st. (B.R.)** - Germany
—	577	5	**Cottbus (DDR)** - Germany
—	576.9	0.8/0.05	**5 low power st.** - Austria
—	576.9	10	**Aldrans II** - Austria
529	561.1	150	**Beromünster** - Switzerland
539	556.5	135	**R. Kossuth** - Hung.
548	547.5	100	**Munich AFN** - Germany
—	547.5	100	**Kharkow** - USSR
557	539	100	**Helsinki I** - Finland
—	538.6	100	**Cairo III** - Egypt
—	538.6	1	**Timisoara II** - Rumania
—	538.6	50	**M. Ceneri** - Switzerland
—	538.6	20	**Potsdam** - Germany
—	538.6	1	**Guarda (R. Nac.)** - Portugal
—	539		**Stalingrad** - USSR
566	530	100	**Athlone** - Ireland
—	530	10	**Caltanissetta I** - Italy
—	530	20	**Freies Berlin** - Germany
—	530	0.1/0.05	**2 low power st.** - Austria
575	522	100	**Mühlacker (S.D.R.)** Germany
—	522	100	**Riga** - USSR
—	521.7	300	**Leipzig** - Germany
—	521.7	50	**Tel Aviv** - Israel
584	514	1	**Paris** - France
—	513.7	0.05	**Sfax** - Tunisia
—	513.7	25	**Klagenfurt II** - Austria
—	513.7	10	**Salzburg II** - Austria
—	513.7	100	**Wien II** - Austria
585	513.7	150	**R. Nacional** - Spain
593	505.9	150	**Sundswall** - Sweden
593	505.8	100	**Frankfurt (H.R.)** - Germany
—	505.8	20	**R. Africa** - Tanger
—	505.8	20	**Meissner (H.R.)** - Germany
—	506	20	**Sofia** - Bulgaria
602	498.4	20	**Karl-Marx-Stadt (DDR)** - Germany
—	498.4	2	**Damascus** - Syria
—	498	100	**Lyon I** - France
606	495	2/10	**Nicosia** - Cyprus
610	491.8	2	**R. Bahrain** - Bahrain
611	491	10/2	**Nürnberg/Grafenwohr (AFN)** - Germ.
—	491	140	**Sebaa-Aioun** - Morocco
—	491	5	**Eidar TFE** - Iceland
—	491	20	**Berliner Rundfunk** - (DDR) Germany
—	491	100	**Petrozavodsk** - USSR
—	491	100	**Sarajevo** - Yugosl.
—	491	20	**Krasnodar** - USSR
615	487.4	0.1	**Eisenerz** - Austria
616	487	0.025	**B. Aussee** - Austria
620	483.9	100	**Cairo II** - Egypt
—	483.9	20	**Moscow II** - USSR
—	483.9	150	**Bruxelles I** - Belg.
629	477	100	**Vigra** - Norway
—	476.9	20	**Tunis I** - Tunisia
—	476.9	25	**Aldrans I** - Austria
—	476.9	25	**Lauterach I** - Austria
635	470.4	100	**BBC Cyprus** - Cyprus
638	470.5	5	**Sevilla (R. Nac.)** - Spain
—	470.2	120	**Praha I** - Czechosl.
647	463.5	100	**Kharkov** - USSR
—	463.6	100	**Simferopol** - USSR
—	464	100	**Daventry** - Gr. Brit.
—	464	2	**4 stations** - Gr. Brit.
652.1	460	0.8	**Tel-Aviv** - Israel
656	457.3	5	**Greifswald (DDR)** - Germany
—	457.3	20	**Bolzano I** - Italy
—	457.3	280	**Firenze I** - Italy
—	457.3	100	**Napoli I** - Italy
—	457.3	35	**Torino I** - Italy
—	457.3	10	**Venezia I** - Italy
—	457.3	150	**Murmansk** - USSR
660	454.5	20	**R. Kabul** - Afghan.
665	451.2	15	**Athens II** - Greece
—	451.2	0.7	**Hoefn** - Iceland
—	451.2	50	**Damascus** - Syria
—	451	10	**Kaiserslautern AFN** Germany
—	451	135	**Lisboa I** - Portugal
—	451	100	**Vilnius** - USSR
674	445.1	100	**Rostov/Don** - USSR
—	445.1	10	**Bodö** - Norway
—	445	150	**Rennes I** - France
—	445	0.1/0.05	**5 low power st.** - Austria
677	445	20	**Jerusalem** - Jordan
683	439.2	1.25	**R. Africa** - Tanger
—	439	150	**Belgrade I** - Yugosl.
—	430	15	**Madrid EAJ 7** - Spain
—	439	100	**Berlin (RIAS)** - Germany
688	436	20	**Erfurt (DDR)** - Germany
691	434	100	**Moscow II** - USSR
692	434	2	**Cromer** - Gt. Britain
—	434	20	**La Coruna (R. Nac.)** Spain
—	434	20	**Nicosia** - Cyprus
—	434	150	**Moorside Edge** - Gt. Britain
—	434	2	**Whitehaven** - Gt. Britain
—	434	0.1/0.05	**6 low power** - Austria
—	433.5	100	**Ufa** - USSR
701	427.8	2	**Norden (N.D.R.)** - Germany
—	428	2	**Aachen (WDR)** - Germany
—	428	2	**Herford (WDR)** - Germany
—	428	150	**Istanbul** - Turkey
—	428	140	**Sebaa-Aioun** - Morocco
—	428	20	**Finnmark** - Norway
—	428	3/2	**4 stations** - Czechosl.
—	427.2	100	**Bratislava** - Czechoslovakia
710	422	150	**Marseille I** - France
—	422	100	**Stalino** - USSR
719	417.2	135	**R. Free Eur.** - Germ.
—	417	10	**Porto I** - Portugal
—	417.2	150	**Östersund** - Sweden
—	417.2	2	**Aleppo** - Syria
725	413.8	50	**Djeddah** - S. Arabia
728	412	25	**Klagenfurt I** - Austria
—	412	5	**La Voz de Guipuzcea** Spain
—	412	150	**Athens I** - Greece
—	412	220	**Schwerin (DDR)** - Germany
737	407.1	40/20	**Hof/Berlin (RIAS)** Germany
—	407	2.5	**Jerusalem** - Israel
—	407.1	1.5	**Akureyri** - Iceland
—	407.1	50	**Wroclaw** - Poland
—	407.1	300	**Poznan** - Poland
—	407.1	25	**Barcelona (R. Nac.)** Spain
746	402	20	**Aleppo** - Syria
—	402	120	**Hilversum I** - Holl.
755	397	20	**Kuopio** - Finland
—	397.3	50	**Timisoara I** - Rumania
—	397	135	**Lisboa 2** - Portugal
—	397.3	2	**Siegen (W.D.R.)** - Germany
764	392.6	150	**Sottens** - Switzerl.
773	388.1	150	**Stockholm** - Sweden
—	388.1	2	**Malmberget** - Swed.
—	388	2	**Vatican Radio**
—	388	100	**Cairo I** - Egypt
—	388	1	**Salzburg I** - Austria
—	388	0.1/0.05	**6 low power** - Austria
782	383.6	300	**Deutschlandssender** Germany
—	383.6	100	**R. Clube Portuguese** Portugal
—	383.6	100	**Kiev II** - USSR
791	379	100	**Limoges I** - France
—	379.2	50	**Salonika (VOA)** - Greece
800	375	100	**München (B.R.)** - Germany
—	375	1	**R. Alto-Douro** - Portugal
—	375	100	**Leningrad II** - USSR
—	375	5	**R. Sevilla EAJ5** - Spain
809	371	100	**Burghead** - Gt. Brit.
—	371	5	**Redmoss** - Gt. Brit.
—	371	2	**Dumfries** - Gt. Brit.
—	371	100	**Westerglen** - Great Britain
—	370.8	135	**Skoplje** - Yugoslav.

kc/s	Metres	kW	Stations
—	370.8	10	**R. Barcelona EAJ1** - Spain
—	370.8	100	**Moscow II** - USSR
818	366.7	10	**Trieste I** - Italy
—	366.7	150	**Warsaw II** - Poland
—	367	1	**Casablanca** - Morocco
—	367	0.25	**Oujda** - Morocco
827	362.8	100	**Kaunas** - USSR
—	363	100	**Sofia II** - Bulgaria
—	363	20	**Tetuan** - Morocco
—	363	40	**Freiburg (SWF)** - Germany
—	363	0.5/1/3	**5 stations (SWF)** - Germany
833	360	1	**Benghazi (FBS)** - Libya
836	359	10	**Ylivieska** - Finland
—	359	100/150	**Nancy I** - France
—	358	1	**R. Juv. de Barcelona** Spain
—	359	4	**Beyrouth** - Lebanon
—	352.9	0.5	**Huelva R. Nac.** - Spain
845	355	0.2	**Helsinki III** - Finl.
—	355	150	**Roma II** - Italy
850	352.9	2	**Huelva** - Spain
854	351.3	150	**Bucuresti I** - Rum.
—	351	3.5	**Madrid EAJ2** - Spain
863	348	150	**Paris I** - France
872	344.0	150	**Frankfurt AFN** - Germany
—	344.0	135	**R. Petöfi** - Hungary
—	344.0	30	**Zaragoza** - Spain
—	344.0	150	**Moscow III** - USSR
881	340.6	20	**Titograd** - Yugosl.
—	340.5	100	**Deutschlandssender** Germany
—	340.5	7.5	**Benghazi (F.B.S.)** - Libya
—	341	8	**Penmon** - Gt. Brit.
—	341	5	**Towyn** - Gt. Brit.
—	341	2	**Wrexham** - Gt. Brit.
—	341	100	**Washford** - Gt. Brit.
886	338.6	0.025	**Murau** - Austria
888	337.8	0.05	**Gmünd** - Austria
890	337.1	200	**Alger I** - Algeria
—	337.1	15	**Linz** - Austria
—	337.1	20	**Bergen I** - Norway
—	337.1	20	**Kristianssand** - Norway
—	337.1	20	**Tröndelag** - Norway
—	337.1	20	**Uzjgorod** - USSR
895	335.0	50	**R. Teheran** - Iran
899	333.7	150	**Milano I** - Italy
908	330	140	**Brookmanns Park** - Great Britain
—	330	1	**Cluj** — Rumania
—	330	200	**R. Baghdad** - Iraq
912	328.9	20	**Reichenbach (DDR)** Germany
917	327.2	0.25	**Rabat** - Morocco
—	327.2	5	**Tetuan** - Morocco
—	327.1	135	**Ljubljana I** - Yugoslavia
922	325	2	**Paphos** - Cyprus
926	324.0	150	**Bruxelles II** - Belg.
—	324	2	**Luxor** - Egypt
—	324	10	**Nis** - Yugoslavia
935	321.0	100/60	**R. Africa** - Tangier
—	321.0	5	**Lvov** - USSR
—	321.0	5	**Berlin AFN** - Germ.
—	321.0	5	**Valencia (R. Nac.)** - Spain
944	318	100	**Toulouse I** - France
—	318	20	**Voronezh** - USSR
953	314.6	20	**R. Intercontinental, Madrid** - Spain
—	315	100/3	**Praha I** - Czechosl.
962	312	100	**Turku I** - Finland
—	311.9	20/20	**Tunis II** - Tunisia
—	311.9	5	**Paris IV** - France
971	309.0	5	**Göttingen (N.D.R.)** Germany
—	309.0	100	**Hamburg (N.D.R.)** Germany
—	309.0	100	**Langenberg (W.D.R.)** - Germ.
—	309	20	**Smolensk** - USSR
980	306.0	200	**Alger II** - Algeria
—	306.0	2	**Assiut** - Egypt
—	306.1	2.5	**Trieste A** - Italy
—	306.1	150	**Göteborg** - Sweden
989	303.3	300/200	**Berlin RIAS** - Germ.
—	303	8	**R. Malaga** - Spain
998	301.0	8	**Heidelberg (SDR)** - Germany
—	301.0	0.2	**Buchen (S.D.R.)** - Germany
—	301.0	100	**Kichinev** - USSR
—	300.6	60	**R. Andorra**
—	300.6	5	**Malaga (R. Nac.)** - Spain
1002	299.4	5	**Kufstein** - Austria
1006	298.2	1	**Salonika (FBS)** - Greece
1007	298	120	**Hilversum II** - Holl.
—	298	50	**Corfu** - Greece
1016	295	70	**Rheinsender (SWF)** Germany
—	295	1	**Sebaa Aïoun** - Morocco
—	295	100	**Odessa** - USSR
1025	292.7	5/50	**R. Nacional** - Spain
—	292.7	100	**Dobl** - Austria
—	292.7	100	**Kronstorf** - Austria
—	292.7	5	**Dornbirn** - Austria
—	292.5	5	**Lauterach II** - Austria
—	292.7	0.5	**Haifa** - Israel
—	292.7	5/10	**R. S. Sebastian EAJ8** - Spain
1034	290.2	0.25	**3 st. AFN** - Germ.
—	290.1	8	**Milano 2** - Italy
—	290.1	25	**Napoli 2** - Italy
—	290.1	1	**2 low power** - Italy
—	290.1	2	**Genova** - Italy
—	290	100	**Tallinn** - USSR
—	290.1	20	**Parede** - Portugal
—	290.1	0.9	**La Voz de Cataluna** Spain
1038	289.1	0.045	**Mayrhofen** - Austria
1043	287.6	20	**Rabat** - Morocco
—	287.6	2	**Salonika** - Greece
—	287.6	240	**Dresden (DDR)** - Germany
1047	286		**Toledo** - Spain
1048	287	0.8	**R. Cadiz** - Spain
1052	285.0	0.05	**2 low power st.** - Austria
1052	285.0	2	**Barnstaple** - Gt. Britain
—	285.0	120	**Start Point** - Gt. Britain
—	285.1	20	**Bucuresti II** - Rumania
—	285.0	2	**R. Tripoli** - Libya
1061	282.8	1	**2 low power** - Portugal
—	283	60	**Kalundborg II** - Denmark
—	282.8	20	**Cagliari I** - Italy
1070	280	100/20	**Paris II Marseille II** France
—	280	20	**Dnjepropetrovsk** - USSR
1072	280	0.2	**Korça** - Albania
1079	278	10	**R. Tanger Internat.**
—	278.0	2	**Minia** - Egypt
—	278	2	**Bremerhafen** - Germany
—	278.0	60	**Katowice** - Poland
—	278.0	20	**Plauen (DDR)** - Germany
1086	276	1	**Nicosia (FBS)** - Cyprus
1088	276	0.05	**6 low power st.** - Austria
—	276	150	**Droitwich** - Gt. Brit.
—	276	7.5	**Postwick** - Gt. Brit.
—	276	50	**Tirana** - Albania
1097	273.5	150	**Bratislava** - Czechoslovakia
—	275		**R. Palamos** - Spain
1106	271.2	100	**Stuttgart AFN** - Germany
—	271.2	2/0.8	**3 low power st.** - Spain
1115	269.1	50	**Bologna 2** - Italy
—	269.1	40	**Bari 2** - Italy
—	269.1	10	**Pisa** - Italy
—	269.1	1/0.25	**8 low power st.** - Norway
1124	267	5	**Barcelona (EAJ15)** - Spain
—	267	0.1/0.05	**3 low power st.** - Austria
—	266.9	100	**Leningrad III** - USSR
—	266.9	10	**Bruxelles IV** - Belg.
—	267	5	**Varna** - Bulgaria
1128	266.0	5	**Pan Amerian - Radio** - Tangier
1133	264.8	2.5	**Bilbao** - Spain
—	265	135	**Zagreb I** - Yugosl.
—	264.7	15	**Rijeka I** - Yugosl.
1142	262.7	20	**Constantine I** - Algeria
—	262.7	0.05	**Zell/See** - Austria
—	262.7	40	**Oran I** - Algeria
—	262.7	0.25/1	**5 low powers (AFN)** - Germany
—	262.7	2	**Sohag** - Egypt
—	263	20	**Kaliningrad** - USSR
1151	261	100	**Lisnagarvey** - Gt. Britain
—	261	2/0.25	**2 stations** - Gt. Br.
—	261	100	**Stagshaw** - Gt. Br.
—	260.9	30	**Oradea** - Rumania
1160	259	100/150	**Strasbourg I** - France
1169	256.6	1	**R. Renascenca** - Portugal
—	257	6	**Koper** - Yugoslavia
—	257.0	3	**Ulm-Jungingen (SDR)** - Germany
—	257.0	8	**Heilbronn (SDR)** - Germany
—	257.0	150	**Odessa** - USSR
1178	254.7	100	**Hörby** - Sweden
—	254.6	2	**Assouan** - Egypt
1186	253	0.06	**Megara** - Greece
1186	253	5	**R. Oviedo** - Spain
1187	252.7	135	**Szabadsag** - Hungary
—	253	1	**Casablanca I** - Morocco
—	253	0.25	**Rabat** - Morocco
1190	252	1	**La Voz de Leon** - Spain
1196	251	150	**Munich (VOA)** - Germany
—	251	20	**Bernburg** - Germ.
1200	250	0.1/0.3	**2 low power** - Spain
1205	249.0	2	**Alexandria** - Egypt
—	248	0.5	**La Coruña** - Spain
—	249	100	**Bordeaux I** - France
—	249	0.5	**Haifa** - Israel
1214	247	60	**Brookmanns Park** - Gt. Britain
—	247	20	**Burghead** - Gt. Br.
—	247	10	**Lisnagarvey** - Gt. Britain
—	247	58	**Moorside Edge** - Gt. Britain
—	247	50	**Westerglen** - Gt. Br.
—	247	2/0.3/0.25	**5 low power st.** - Gt. Britain
—	247	20	**Tallin II** - USSR
—	247	20	**Kursk** - USSR
—	247	0.1	**Judenburg** - Austria
1223	245.3	1	**Common freq.** - Portugal
—	245.3	20	**La Voz de Madrid** - Spain

kc/s	Metres	kW	Stations
—	245	20	**Stara Zagora** - Bulgaria
—	245.2	1	**Em. do Norte Reunidos** - Portugal
—	245.3	100	**Falun** - Sweden
1232	243.5	50/120	**R. Tanger** - Tangier
—	243	100	**Bratislava** - Czechoslovakia
1236	242.7	0.25	**R. Aden** - Aden
—	242.7	0.05	**Sparta** - Greece
1241	242	25	**Vaasa** - Finland
—	242	20	**Lille 2** - France
—	242	20	**Lyon 2** - France
—	242	20	**Nancy 2** - France
—	242	20	**Nice 3** - France
—	242	20	**Pau** - France
—	242	20	**Brest 1** - France
—	242	20	**Rennes 2** - France
—	242	10	**Odessa** - USSR
—	242	20	**Tiraspol** - USSR
1250	240	5	**Dublin, Cork** - Eire
—	240	135	**Nyiregyhaza** - Hungary
—	240	0.4	**Tehran** - Iran
—	240	0.2/0.8	**2 low power** - Spain
—	240	5	**La Voz de Navarra** - Spain
—	240	2	**R. Juv. Vizcaya** - Spain
1254	239	0.05	**Bischofshof** - Austria
1255	239	1	**R. Avila** - Spain
1258	238	0.35	**R. Asturias Oviedo** - Spain
1259	238.3	150	**Courier (VOA)** - Greece
—	238.3	5	**R. Valencia EAJ 3** - Spain
1268	236.6	100	**Novi Sad** - Yugosl.
1277	235	100	**Strasbourg II** - France
—	235	1	**Tel Aviv** - Israel
1286	233	100	**Praha 2** - Czechsl.
—	233	2	**R. Renascenca** - Portugal
1295	231	100	**BBC European Serv. (Norden Osterl.)**
—	231	0.25	**Oujda** - Morocco
—	231	1	**Casablanca** - Moroc.
—	231	1	**R. Coruna EAJ41** - Spain
1300	230.7	1	**Athens FBS** - Greece
—	230	2/0.1	**6 low power** - Spain
1304	230	20	**Constantine II** - Algeria
—	230	40	**Oran II** - Algeria
—	230.0	0.25/1	**6 low power st. AFN** Germany
—	230	0.8	**R. Almeria** - Spain
—	230	50	**Szczecin** - Poland
—	230	30	**Gdansk** - Poland
—	230	25	**Ziclona Gore** - Pol.
1307	229	0.8	**R. Juv. Murcia** - Spain
1313	228.1	100	**Stavanger** - Norw.
—	228.5	0.5	**R. Las Palmas** - Canary Isl.
—	228.5	0.1	**Leoben** - Austria
1322	226.9	0.15	**Angra do Heroismo** Azores
—	226.9	100	**Leipzig** (Relay R Moscow)
—	226.1	1	**R. Ribatejo** - Port.
—	226.9	100	**Kharkov II** - USSR
—	226.9		**Low power st.** - Spain
1325	226	0.1	**R. Chelva** - Spain
1331	225.4	0.2/1	**4 low power (RAI)** - Italy
—	225.4	80	**Roma 1** - Italy
—	225.4	50	**Genova 1** - Italy
—	225.4	25	**Bologna** - Italy
—	225.4	25	**Pescara 1** - Italy
—	225.4	1	**R. Salamanca EJA56** - Spain
1336	224.6	1	**Haifa** - Israel

kc/s	Metres	kW	Stations
1340	224	150	**Crowborough** - Gt. Britain
—	223.8	5	**4 synchr. st.** - Hung.
1344	223	0.2	**R. Olot** - Spain
1349	222	10	**Nantes 1** - France
—	222	20	**Clermont** - France
—	222	20	**Limoges 2** - France
—	222	20	**Grenoble 1** - France
—	222	20	**Toulouse 2** - France
—	222.4	20	**Madona** - USSR
—	222.4	20	**Kuldiga** - USSR
—	222.4	0.3	**Nicosia (FBS)** - Cyprus + Afrika
—	222.4	0.5	**R. Sabadell** - Spain
1350	222	0.1	**Roda de Ter** - Spain
1358	221	0.1	**Elvas** - Portugal
—	221	20	**Bremen** - Germany
1360	220.6	0.8	**R. Juv. Albacete** - Spain
1367	219.5	1/0.1	**9 low power** - Italy
—	219.5	5	**Venezia** - Italy
—	219.5	12.5	**Napoli 3** - Italy
—	219.5	5	**Milano 3** - Italy
—	219.5	5	**Roma 3** - Italy
—	219.5	5	**Torino 3** - Italy
—	219.5	5	**Thorshavn** - Faroe Islands
—	219.5	5	**Milano III** - Italy
—	219.5	26	**Torun** - Poland
—	219.5	0.5	**Basel, Chur, Savièse Sool** - Switzerland
—	219.5	1	**Porto 2** - Portugal
—	219.5	0.8	**R. Guadalajara** - Spain
1370	217	0.1	**R. Vendrell** - Spain
1375	218.0	0.3/0.2	**3 low power** - Spain
1376	218	150	**Lille I** - France
1385	217	150	**Kaunas** - USSR
—	217	1	**R. Vittoria EAJ62** - Spain
—	217	1.25	**Amalias** - Greece
1388	216	0.4	**R. Malaga** - Spain
1390	215.8	1	**Jerusalem** - Israel
—	215.8	2	**R. Juv. de Zaragoza** - Spain
1392	215.5	0.8	**R. Juv. de Menorca** Spain
1394	215.2	25	**Graz I** - Austria
—	215.2	0.05	**Bad Ischl** - Austria
—	215.2	0.25	**Bitburg AFN** - Germany
—	215.2	5	**Rhodes** - Greece
—	215.2	2/0.2	**11 low power st.** - Sweden
1398	214.5	1	**R. Cantabria** - Spain
1400	214.2	0.3/0.1	**3 low power** - Spain
1403	213.8	1/0.4	**2 low power** - Spain
—	213.8	10	**Montpellier I** - France
—	213.8	20	**Bordeaux 2** - France
—	231.8	20	**Rouen** - France
—	213.8	20	**Nice 2** - France
—	213.8	20	**Brest 2** - France
—	213.8	5	**Comotini** - Greece
—	213.8	20	**Tartu** - USSR
1406	213.4	0.05	**Maria Pfarr** - Austr.
1408	213	0.4	**La Voz de la Costa Brava** - Spain
1412	212.4	3	**Bad Mergentheim (SDR)** - Germany
—	212.5	1/0.2	**2 low power** - Spain
—	212	5	**Maribor** - Yugosl.
—	212	20	**Pristina** - Yugosl.
—	212	50	**Split** - Yugoslavia
—	212	0.4	**R. Club Tenerife** - Canary Islands
1415	212	1/0.1	**2 low power** - Spain
1420	211	7.5	**Benghazi (F.B.S.)** - Libya
1421	211.2	2	**Athens III** - Greece
—	211.2	1	**Sfax** - Tunisia
—	211.1	5	**Tjernogov** - USSR
—	211.1	20	**R. Saarbrücken** - Saar

kc/s	Metres	kW	Stations
1425	210	0.2	**R. Utiel** - Spain
—	210.5	0.05	**Radstadt** - Austria
1429	210	1	**R. Juv. de Campo de Gibraltar** - Spain
1430	210	10	**Herstedvester** - Denmark
—	210	5	**R. Mallorca EAJ13** - Spain
—	210	70	**Skive** - Denmark
—	210	5	**Baneasa** - Rumania
1435	210	0.4	**R. Luarca** - Spain
1439	208	350	**Luxembourg II** - Luxembourg
1440	208	1	**R. Sagunto** - Spain
1442	208	0.2	**2 low power** - Spain
1448	207.2	20	**Torino** - Italy
—	207.2	10	**Palermo** - Italy
—	207.5	5	**Ancona 2** - Italy
—	207.2	5	**Catania 2** - Italy
—	207.2	5	**Firenze 2** - Italy
—	207.2	5	**S. Remo** - Italy
—	207.2	1/0.25	**4 low power st. RAI** Italy
—	207.2	9	**R. Casilla EAJ27** - Spain
—	207.2	1/0.2	**5 low power** - Spain
—	207.2	2/0.2	**5 low power** - Sweden
—	207	5	**Amman** - Jordan
1450	207.0	1/0.8	**2 low power** - Spain
1457	206.0	0.05	**3 low power** - Austr.
—	206	2	**Redruth** - Gt. Brit.
—	206	20	**Clevedon** - Gt. Brit.
—	206	10	**Bartley** - Gt. Brit.
—	206	2	**Brighton** - Gt. Brit.
—	206	1	**Folkestone** - Gt.Brit.
—	206	2	**Bexhill** - Gt. Brit.
—	205.9	20	**Craiova** - Rumania
1466	205	120	**Monte Carlo** - Monaco
—	204.6	0.25	**Sandnessjöen** - Norway
—	204.6	0.25	**Geilo** - Norway
—	204.6	1	**Narvik** - Norway
—	204.6	0.25	**Odda** - Norway
—	204.6	0.25	**Porsgrunn** - Norw.
—	204.6	1	**Svalbard** - Norway
1475	203.4	0.3/0.5	**3 low power** - Spain
—	203	25	**Wien I** - Austria
1480	203.4	0.2	**2 low power** - Spain
1484	202.2	0.2	**St. Pölten** - Austria
—	202.2	0.25	**Limassol** - Cyprus
—	202.2	0.2	**Bone** - Algeria
—	202	2	**København I** - Denmark
—	202	0.25	**Alborg** - Denmark
—	202	0.25	**Tønder** - Denmark
—	202	1	**Helsinki II** - Finl.
—	202	1	**Pietarsaari** - Finl.
—	202	1	**Pori** - Finland
—	202	0.2	**Tammisaari** - Finl.
—	202	1	**Tampere** - Finland
—	202	0.2	**Turku II** - Finland
—	202	0.05	**8 low power** - France
—	202.2	0.1	**Portalegre** - Port.
—	202	2	**Barrow** - Gt. Brit.
—	202	2	**Ramsgate** - Gt. Brit.
—	202.2	0.2	**Volos** - Greece
—	202.2	5	**Freies Berlin** - Germany
—	202.2	0.2	**8 low power st. (SDR)** - Germany
—	202.2	0.25	**Keflavik (AFRS)** - Iceland
—	202.2	2/0.04	**10 low power** - Italy
—	202.1	1	**R. Club de Madeira** Madeira Isl.
—	202.2	0.25/0.025	**4 low power** - Norw.
—	202.2	10	**Lodz** - Poland
—	202.2	1/0.5	**7 low power** - Poland
—	202	5	**Brasov** - Rumania
—	202.2	1/2	**5 low power (B.R.)** - Germany
—	202.2	0.2	**low power st.** - Spain
—	202.2	0.25	**3 low power** - Sweden

kc/s	Metres	kW	Stations
—	202.5	5	**Vatican Radio** - Vatican State
—	202	2/0.8	**7 low power st.** - Yugoslavia
—	202	2.5	**R. Extremadura EAJ52** - Spain
—	202	3	**Praha I, II; Bratislava** - Czechosl.
—	202.2	7.5	**Tripoli (FBS)** - Libya
—	202.2	0.35	**Benghazi (FBS)** - Libya
1487	202.2	1	**R. Rioja EAJ18** - Spain
1490	201	0.5/0.8	**2 low power** - Spain
1491	201.1	40	**Alger III** - Algeria
1493	201	1/0.2	**7 low power** - Spain
—	201	1/0.05	**7 low power** - France
—	201	20	**Gomel** - USSR
—	201	0.35/0.05	**7 low power st.** - Austria
1495	201.0	0.2	**R. Cadiz** - Spain
1496	200.5	0.005	**R. Altitude** - Port.
1498	200.3	0.015	**Bludenz** - Austria
1500	200	1	**Täbriz** - Iran
—	200	0.05	**AFRS** - Azores
—	200	0.5/0.1	**15 low power** - Spain
—	200	2/1	**4 stations** - Spain
—	200	2	**R. Atlantico** - Canary Islands
1502	199.7	0.25	**low power st. AFN** - Germany
—	199.7	60	**Krakow** - Poland
—	199.7	30	**Rzeszow** - Poland
—	199.7	0.8	**Münster (W.D.R.)** - Germany
—	199.7	0.5/0.8	**2 low power** - Spain
—	199.7	1	**Wheelus Field (AFRS)** - Libya
1504	199	0.2	**R. Leon** - Spain
1511	198	0.8/0.2	**2 low power** - Spain

kc/s	Metres	kW	Stations
—	198.5	20	**Bruxelles III** - Belg.
—	198.5	0.3	**Patras** - Greece
—	198.5	5	**Chania** - Greece
1512	198	0.1	**Port Lyauteau (AFRS)** - Morocco
1519	197	0.2	**R. Elche** - Spain
1518	197	0.1	**R. Adra** - Spain
1520	197.4	30	**Praha II** - Czechosl.
—	197.4	15	**Karlovy Vary** - Czechoslovakia
—	197.4	20/5	**Ostrava** - Czechosl.
—	197.4	15	**Praha 2** - Czechosl.
1525	196.7	5	**La Voz de Levante** -
1529	196.2	1.5/0.075	**3 low power** - Sweden
—	196.2	100	**Vatican Radio**
—	196.2	1	**Funchal** - Madeira
1530	196	0.1	**R. Picasent** - Spain
1535	195.4	0.4	**R. Carlet** - Spain
1538	195	20	**Bad Dürrheim (SWF)** - Germany
—	195	40	**Ravensburg (SWF)**
—	195	10	**Reutlingen (SWF)** - Germany
1543	195	0.2	**R. Palencia** - Spain
1546	194	0.25/1	**13 synchr. low power** Gt. Britain
—	194	5	**Vinnitsa** - USSR
1550	193.5	0.2/0.6	**2 low power** - Spain
1554	193	60	**Nice I** - France
—	193	0.8	**R. Lerida** - Spain
—	193.1	20	**Baranovitji** - USSR
1562	192	1	**Covilha** - Portugal
—	192.1	2/0.25	**8 low power st.** - Sweden
1570	191.1	1.5	**Flensburg (N.D.R.)** Germany
—	191.1	2	**Lingen (N.D.R.)** -
—	191.1	5	**Michelet** - Algeria
—	191	0.2	**R. Tarragona** - Spain

kc/s	Metres	kW	Stations
1571	191	0.08	**Santa Maria** - Azores
1575	190	0.1	**R. Monovar** - Spain
1578	190.1	37	**37 low power st.** - Italy
—	191.1	10	**Fredriksstad** - Norway
—	191.1	2	**Nordkapp** - Norw.
1586	189.1	5	**Kiel (NDR)** - Germ.
—	189.1	5	**Osnabrück (NDR)** - Germany
—	180	5	**Bonn (WDR)** - Germany
—	189	3	**Kleve (WDR)** - Germany
—	189	20	**Hannover (N.D.R.)** Germany
—	189	40	**Oldenburg (N.D.R.)** Germany
1594	188.2	0.6	**Bougie** - Algeria
—	188	2	**Esbjerg** - Denmark
—	188	0.05/2	**2 low power** - France
—	188	5	**3 stations** - Holland
—	188	1	**Em. Associados (Lisboa)** - Portugal
—	188	0.1	**4 AFRS** - Morocco
—	188		**Pan American Intercontinental** - Tang.
—	188	30	**Bialystok** - Poland
—	188	1	**Lublin** - Poland
—	188	0.5	**Funchal** - Madeira
1595	188	0.8	**R. Juv. de Baza** - Spain
1602	187	20/40	**Nürnberg (B.R.)** - Germany
—	187	20	**Landau (B.R.)** - Germany
—	187	20	**Kirchheim (B.R.)** - Germany
—	187	0.4	**Hof (B.R.)** - Germ.
1875	160	0.1	**R. Berja** - Spain

COOPERATING SHORTWAVE CLUBS

Austria: Austrian DX-Club, Landgutgasse 41/19, Vienna. – **Denmark: "Denmarks Shortwaveclub,"** Box 16, Aars (Publ.: "Shortwave-News"). – **Finland: Finlands DX Club,** Poste Restante, Helsingfors (Publ.: Attention). **Åbo Shortwave Hunters.** Kristineg. 3, Åbo. (Publ.: "Genom Etern"). – **France: Club des Auditeurs de la Radio Mondiale** (Carm.), 1 rue Pasteur, Juvisy-sur-Orge, Seine-et-Oise. – **Gt. Britain: International Short Wave Club,** 100 Adams Gardens Estate, London SE 16 (Publ.: International Short Wave Radio). – **The International Short Wave League,** 86, Barrenger Road, London N 10 (Publ.: Monitor). – **Japan: Japanese Short Wave Club,** Sendai (Publ.: SW-DXGuide). – **New Zealand: N.Z. DX Radio Association** (Inc.), Headquarter: 5 Norana Ave., Remuera, Auckland, N.Z. Publication "Tune In": 71 Lorna St., New Plymouth, N.Z. – **N.Z. Radio DX League,** Headq., 15, Plunket St., Dunedin S. 2. Official Publ.: "New Zealand DX-Times, 111 Tay Street. Invercargill; – **Norway: DX-Listeners Club,** Nøtterøy (Publ.: DX-News). – **Sweden: DX-Alliansen,** Arne Skoog, Ridvägen 14, Danderyd. – **Göteborgs DX Klubb,** Intagsgatan 8 n.b. Göteborg (Publ.: G DX-aren). – **Malmö Kortvågsklubb,** Postfack 7026, Malmö (Publ.: Malmö DX-aren). – **Svalans DX-Club,** Fredsgatan 4, Helsingborg. – **DX-Club Tellus,** Rustkammarbacken, Söderhamn. – **Sveriges Radioklubb,** Box 5083, Stockholm 5. (Publ.: DX-Radio) **Sumpans DX-Club,** Fågelsangen 2 B, Sundbyberg. (Publ.: "We-DX'ers"). – **Swedish Allround Radio Club,** Box 440, Höör. (Publ.: "Calling CQ/Etersvep"). – **Västra Aros' Lyssnarklubb,** P. O. Box 165, Västerås (Publ.: "Kortvågen"). – **Vilhelmina Radioklubb,** Skolgatan 8c, Vilhelmina. – **U.S.A.: Newark News Radio Club,** 215, Market Street, Newark I, N.J. (covers all DX-SW., Ham., B.C.B. etc.). – **National Radio Club,** RD1 Lake City, Penna (covers BCB only). – **Universal Radio DX Club,** 21446 St., Hayward Calif. (Publ.: Universalite) covers SW., Ham.

REPRESENTATIVES AND COLLABORATORS:

Wm Dawson and Sons Ltd., Cannon House, Macklin Street, London WC2. – (Sole agents). – *Surridge, Dawson and Co. Ltd.,* 101 Southwark Street, London SE1 (Gt. Britain).

Alaska: J. M. Miller, Fairbanks. – **Argentina:** *C. Dick,* Casilla de Correo 4646, Buenos Aires. – **Australia:** DX-Editor: G. Hutchins, Ashburton, Victoria. Mrs. D. Sanderson, Malvern, Victoria – **Austria:** *Dr. J. Sahliger,* Wien Perchtoldsdorf. H. Philipp, Vienna 10. – **Belgium:** *Agence et Messageries de la Presse,* Rue du Persil 14 a 22, Bruxelles. – **Ceylon:** *Lake House Bookshop,* P. O. Box 244, Colombo. – **Chile:** *Paul J. Zschau,* Huerfanos 725, 4° Piso, Santiago. – **Colombia:** *Eng. Henrik A. Langebeck,* Apartado Nacional 2605 y Apartado Aereo 6287, Bogota. – **Denmark:** *Berlingske Forlag,* Heimdalsgade 32, Copenhagen. – J. M. Frost, Sallingvej 41, st. th., Copenhagen F. P. Ginnerup, Aars, N. J. Jensen, Frederikshavn. – **Egypt:** *Radio Monde,* 29 rue Abdel Khalek Saroit, Cairo. – **France:** *Messagerie du Livre,* 166 rue du Bac, Paris VII. – R. Mercier, 1 rue Pasteur, Juvisy-sur-Orge. – **Germany:** *Hans Bredow Institut,* Rothenbaumchaussee 5III, Hamburg 13. – A. C. Krieger, DX-editor, Deutsche Welle, Köln. – F. Büttner, Göppingen. – H. Jäger, Recklinghausen. – Chr. Lehmann, Nassau/Lahn. W. Uthoff, W. Berlin. – **Greece:** Anthony L. Coundakis, Athens T 5. – **Gt. Britain:** Ron D. Young, Chelmsford. – **Guatemala:** Ron Moyer, Guatemala City. – **Holland:** *J. R. Aalberts,* Lijsterbeslaan 35, Hilversum. – **Italy:** *Edizione Italiana,* Via Arsenale 26, Torino. A. Pisciotta, Milano. – **Japan:** *Kyo Bun Kwan,* 2 Ginza 4-chome, Tokyo. – K. Wada Kitagobancho 48, Sendai. – **Mexico:** Conrad A. Wingartz, Mexico 12, D.F. – **New Zealand:** *Technical Books,* 11 Walter Street, Wellington. – *Arthur T. Cushen,* 212 Earn Street, Invercargill. B. C. Williams, Auckland. – **Norway:** *A/S Narvesens Kioskkomp.,* Oslo. – S. O. Dalen, Nötteröy. – **Portugal:** *Radio Nacional, Programa Official da Emissora Nacional,* 5 rua Dr. Almeida e Albuquerque, Lisboa. – **Sweden:** A. Skoog, Danderyd. – T. Olsson, Göteborg. – *Importbokhandel,* Regeringsgatan 39, Stockholm. – **Switzerland:** *Chr. Kobelt,* Schweizer Radio-Zeitung, Zürich. – Max Mangold, Basel. – **U.S.A.:** *Gilfer Asscoiates,* P.O.Box 239, Grand Central Station, New York 17, N.Y. – S. C. West, Union, N. J. – R. Legge, Mc Lean, Virginia. – J. Casey, So. Bend 24, Indiana. – **Venezuela:** *Distribuidora Santiago C. A.,* Apartado 2589, Caracas. G. Vukowich, Caracas. **Yugoslavia:** Svetomir Cuckovic, Belgrade. **Representatives for Advertisements: – Great Britain:** Dennis W Mayes Ltd., 69 Fleet Street, London E.C.4.

THE DANISH SOCIETY Representatives:

Belgium: Institut Danois, Avenue Louise 18, Brussels. **France:** Institut Danois, 36 Av. nu Marechal Foch, Lyon, **Great Britain:** The Danish Institute, 3 Doune Terrace, Edinburgh 3. **Holland:** Het Deense Instituut, Jan Luykenstraat 6, Amsterdam Z. **Switzerland:** Dänisches Institut, Stockerstrasse 23, Zürich 2. **Italy:** Instituto Danese di Cultura, via Dogana n. 2. ,Milano.

SHORT WAVE STATIONS OF THE WORLD

kc/s	m	kW	Call	Stations and countries	Rem.
2320	129.3	1	YDM6	Sibolga, Indonesia	
2330	128.5	0.3	YDI6	Djember, Indonesia	
2340	128.2	0.5	ZYV30	R. Dif. Brasileira, Brazil	
2350	127.6	1	YDI3	Jogjakarta-Indonesia	
2360	126.9	0.25	YVQG	R. Carupano, Venezuela	
2370	126.5	0.25	YDI3	Surabaya, Indonesia	
2390	125.5	0.1	YDN	Kotaradja, Indonesia	
	125.5	0.3	YDA6	Tjirebon, Indonesia	
2420	123.9	0.25	YDA2	Bandung, Indonesia	
2430	123.5	1	YDK2	Palembang, Indonesia	
2440	122.9	1	YDG2	Surakarta, Indonesia	
	122.9	1	HI3C	La Romana, Dom. Rep.	
	122.9	1	YVLG	R. Girardot, Venezuela	
2442	122.7	0.5	4XB51	Tel Aviv, Israel	
2460	122	1	YDB	Djakarta, Indonesia	
	122	0.25	YDO	Makassar, Indonesia	
	122	0.1	ZYR99	Emissora Cacique, Brazil	
2470	121.5	1	YVMU	R. Carora, Venezuela	
2475	121.2	0.5	RAU2	R. Angkatan Udara, Indons.	
2480	120.9	1	YDL2	Padang, Indonesia	
	120.9	0.25	YVMK	R. Cabimas, Venezuela	
2490	120.5	0.15	YDH	Semarang, Indonesia	
	120.5	1	YDP2	Medan, Indonesia	
2500	120	0.5	MSF	Teddington, Gt. Britain	
	120	1	WWV	Washington, USA	
	120	2	JJY	Tokyo, Japan	
2510	119.5	10	HLKA	Seoul, S. Korea	
2695	111	0.25		Ft. Buckner, Okinawa	
2720	110.3	0.3		Seoul, VUNC, S. Korea	
3202	93.69	2		Bangkok, Thailand	
3205	93.60	1		Singaradja, Indonesia	
	93.60	25		Simla, India	
3214	93.34	5	YDS	Menado, Indonesia	
3215	93.30	3.5	BED59	Taipei, Taiwan	
3222	93.11	7.5	CR7BM	R. Clube de Mozambique	
	93.11	4		R. Lomé, Togo	
3223	93.09	0.1	YDX	Tdj. Pinang, Indonesia	
3232	92.82	1	YDM	Bukittinggi, Indonesia	
	92.92	1.5		R. AEF, Fr. Equat. Africa	
	92.82	5	FIQA	R. Tananarive, Madagascar	
3240	92.59	0.5	OBX4U	R. America, Peru	
3241	92.56	1	YDR2	Ambon, Indonesia	
3245	92.44	1	YVKT	R. Libertador, Venezuela	
	92.44	0.5	HI1Z	Broadc. Nac. ,Dom. Rep.	
3250	92.31	10	HJGO	R. Sutatenza, Colombia	
	92.31	10	YDO	Bandjarmasin, Indonesia	
	92.31	7.5	CR7BM	R. Club de Mozambique. .	
3255	92.15	2	ZFY	R. Demarara, Br. Guiana	
	92.15	0.04		R. Montserrat, Leeward Isl.	
	92.15	0.5	YVQL	La Voz de El Tigre, Venez.	
	29.15	0.3		Beira, Mozambique	
	92.17	0.5	ZYR62	R. Clube de Marilia, Brazil	
	92.15	0.05		R. Antigua, Leeward Isl.	
3259	92.05	5	YDH2	Semarang, Indonesia	
3265	91.88	1	YVOC	Ecos del Torbes, Venezuela	
	91.87	1	ZYK21	R. Tamandaré, Brazil	
3275	91.60	0.5	VP4RD	R. Trinidad, Trinidad	
	91.60	1	YVMC	R. Mara, Venezuela	
	91.60	1	ZYR31	Baura R. Clube, Brazil	
3277	91.55	1	YDD	Djakarta, Indonesia	
	91.55	0.3	DYB4	Dumaguete City, Philipp.	
3285	91.32	1	H17T	La Voz Dominicana, Dom. R.	
	91.32	1	YVLE	R. Puerto Cabello, Venez.	
	91.32	1	ZYR89	R. Aparecida, Brazil	
3286	91.29	0.3	YDG6	Madiun, Indonesia	
3290	91.19	1	HRVW	La Voz de Centro America, Honduras (Rep.)	
3292	91.10	1		Mindanao, Philippines	
3295	91.00	0.15	YDY	Samarinda, Indonesia	
	91.00	0.1	YVOG	R. Trujillo, Venezuela	
	91.00	0.25	HI5N	Ci. Trujillo, Dom. Rep.	
3297	91.00	16	HNC	Baghdad, Iraq.	
3300	90.91	5	VPN	Belize, Honduras (Br.)	
	90.91	0.35	OBX4Y	R. Junin, Peru	
3305	90.77	1		NCDA, Philippines	
	90.77	3	YVKX	La Voz de la Patria, Venez.	
3315	90.50	0.5	ZYV29	R. Itatiaia, Brazil	
	90.50	1	YVLI	R. Maracay, Venezuela	
3316	90.50	20		Paradys, S. Africa	
	90.46	5		Freetown, Sierra Leone	
3325	90.23	0.3	YDZ	Ternate, Indonesia	
	90.23	0.25	HC1GB	R. Nac. Espejo, Ecuad.	
	90.23	0.6	YVRA	R. Monagas, Venezuela	
	90.23	1	ZYJ21	R. Borborema, Brazil	
3326	90.20	7.5		Kaduna, Nigeria	
3330	90.09	0.3	CHU	Dominian Observat., Canada	
	90.09	0.5	OAX1M	R. Progreso, Peru	
3335	89.95	0.5	ZYR59	A Voz do Sertao, Brazil	
	89.95	0.6	YVQD	Ecos del Orinoco, Venezuela	
3345	89.69	0.2	HI2S	Onda Musical, Dom. Rep.	
	89.69	2	YVKP	R. Tropical, Venezuela	
	89.69	2	DZB2	The Call of Orient, Philipp.	
	89.69	1	YDW	Pontianak, Indonesia	
	89.68	1	ZYN22	R. Cultura, da Bahia, Brazil	
3350	89.50	0.3	OAX5J	R. Independencia, Peru	
3355	89.42	0.5		R. Noumea, N. Caledonia	
	89.42	0.25		Sumenep, Indonesia	
	89.42	1	YVLC	R. Valencia, Venezuela	
	89.42	0.5	HI3H	La Voz de la Alégria, Dom. R.	
	89.42	0.09	TGZB	R. Oriental, Guatemala	
3356	89.39	20		Paradys, S. Africa	
3365	89.15	5		Grenada, Windward Isl.	
	89.15	1		NCDA, Philippines	
3366	89.12	20		Accra, Ghana	
3375	88.89	0.5	HI8V	La Vega, Dom. Rep.	
	88.89	0.25	YDV	Kupang, Indonesia	
	88.89	0.6	YVMI	La Voz de la Fé, Venezuela	
3376	88.86	20		Paradys, S. Africa	
	88.86	0.25		R. Conakry, Fr. Guinea	
3380	88.76	0.3	OAX1D	R. Chiclayo, Peru	
	88.76	1.5		St. Denis, Reunion	
3385	88.63	1	HI2D	Santiago, Dom. Rep.	
	88.63	1	YVQI	Emis. Unidas, Venezuela	
	88.63	1	ZYA41	R. Eldorado, Brazil	
3386	88.60	1	FIQA	R. Tananarive, Madagascar	
3390	88.50	0.25	OQ2AC	R. College, Belg. Congo	
3395	88.37	1	YVOJ	R. Universidad, Venezuela	
	88.37	0.5		R. Sorong, Sorong	
	88.37	1	YDU2	Denpassar, Indonesia	
3396	88.36	7.5		Salisbury, S. Rhodesia	
3521	85.23	0.6		Niassa, Mozambique	
3765	79.68	0.3		Seoul (VUNC), S. Korea	
3800	78.95	0.25		Tokyo (FEN), Japan	
3860	77.80			La Voz de los Lagos, Ecuador	
3910	76.73	0.4		Seoul (VUNC), S. Korea	
	76.73	1	HLKA	Seoul, S. Korea	
3914	76.60	2.5	ZQP	Lusaka, N. Rhodesia	
3915	76.64	15/120		Peking, China	
3925	76.43	10	JOZ	Tokyo, Japan	
3935	76.24	7.5	YDB4	Djakarta, Indonesia	
3940	76.15	2.5	ZBW3	R. Hong Kong, Hong Kong	
3945	76.05	0.5		Catabato, Philippines	
3950	75.95	0.3	DXH2	Davao City, Philippines	
	75.95		HC1JH	R. Turismo, Ecuador	
	75.95	0.2	HC4VC	La Voz de Chone, Ecuador	
3952	75.90	15/100	MCM	BBC, Gt. Britain	
	75.90	0.375	CR7RA	R. Pax, Mozambique	
3955	75.85	5/25/50/100		Vatican City, Vatican State	
3958	75.78	0.5		Stanley, Falkland Isl.	
3960	75.76	0.08	CR4AB	R. Clube Cabo Verde, Cape Verde Islands	
	75.76			Tidore, Indonesia	
	75.76	15/120		Peking, China	
	75.76	20	EQO	R. Teheran, Iran	
	75.76	1		R. Barlavento, Cape Verde Isl.	
	75.76	10/100		R. Free Europe, Germany	
3965	75.67	2.5		Enugu, Nigeria	
	75.67	10/100		Allouis, France	
3970	75.57	5		NDR., Germany	
3975	75.48	1	CMQ	Emis. da Guiné, P. Guiné	
	75.48	15/100	GRC	BBC, London, Gt. Britain	
	75.47	10	YDI2	Surabaja, Indonesia	
3980	75.38	0.5	VRH4	Suva, Fiji Islands	
	75.38	15/120		Peking, China	
3990	75.19	20/50		R. Liberation, Germany	
3995	75.09			RAI, Roma, Italy	
	75.09	1		Ibadan, Nigeria	
	75.09	0.2	HC4GB	R. Nac. Espejo, Ecuador	
4068	73.75			Inner Mongolia, China	
4220	71.09			Sinkiang, China	
4305	69.68		HC1TA	R. Escuelas Radiales Lita, Ec.	
4450	67.40		HC8EC	R. Central, Ecuador	
	67.40		HC2VM	La Voz del Milagro, Ecuador	
4465	67.19	15/100		Moscow, USSR	
4500	66.67			Sinkiang, China	
4522	66.33			Khabarovsk, U.S.S.R.	

kc/s	m	kW	Call	Stations and countries	Rem.
4550	66.23	15/100		Moscow, USSR	
4575	65.70		HC4NE	R. Nac. Espejo, Ecuador	
4610	65.08		HC2VP	R. Atalaya, Ecuador	
4634	64.74	15/100		Moscow, USSR	
4650	64.52	1	HC2AJ	R. Dif. del Ecuador, Ecuador	
4675	64.17	15/100		Moscow, USSR	
4700	63.83	0.2	HC4MX	R. Cenit, Ecuador	
4710	63.78		HC5HN	R. Hermig, Ecuador	
	63.78	0.25	HC2BK	R. El Mundo, Ecuador	
4720	63.56	0.2	HC2LB	R. America, Ecuador	
4725	63.60		HC2VT	La Voz del Tropico Quevedo, Ecuador	
4730	63.50		HC4FF	La Voz de Esmeraldas, Ec.	
4735	63.36	2	ZYF23	R. Dif. do Maranhão, Brazil	
4738	63.32	0.25	HC1IM	La Voz de Imbubara, Ecuad.	
4740	63.23	1	YSC	Ondas Populares y Deportivas El Salvador	
		4750–5060 kc/s – 60 metre band			
4750	63.15	0.25	HC1BF	R. Comercial, Ecuador	
	63.15	1	YDQ2	Makassar, Indonesia	
4755	63.10	0.3	HC1AI	Voz de Bolivar, Ecuador	
	63.10	1/5	ZYY3	R. Brazil, Brazil	
	63.10	0.5	HS2PN	Bangkok, Thailand	
	63.09	0.06	CR4AB	R. Cl. Mindelo, Cape Verde	
4760	63.03	0.5	YVKV	Emis. Vargas, Venezuela	
4760	63.03	0.23	HC4FA	Voz de Manabi, Ecuador	
	63.03	20		R. Congo Belge, Belg-Congo	
	63.03	2.5		AIR, Simla, India	
	63.03	10		R. ELWA, Liberia	
4762	62.99	0.25	HC2GI	R. El Telegrafo, Ecuador	
4765	62.97	3	HJEF	R. Dif. Occidente, Colombia	
4770	62.89	0.5	OAX2G	R. Cajamarca, Peru	
	62.89	0.25	HC2MX	R. Guayaquil, Ecuador	
	62.89	1	CR6RG	R. Diamang., Angola	
	62.89	0.3	YVMW	Ondas del Caribe, Venezuela	
	62.89		HC5FC	R. Deportiva Chimborazo, Ecuador	
	62.89	5	HC1GB	R. Nac. Espejo, Ecuador	
4775	62.84	5	ZYR81	R. Progresso de Sao Paulo, Brazil	
	62.89	1		Bangkok, Thailand	
4780	62.76	1	YVLA	Voz de Carabobo, Venez.	
	62.76	0.25	HC1JT	R. Tulcan, Ecuador	
	62.76	0.2	HC1LC	R. Atahualpa, Ecuador	
	62.76	2.5		Pusan (VUNC), Korea	
	62.76	1		R. Djibouti, Fr. Somaliland	
	62.76	1	YSU	R. Mil Cincuenta, El. Salv.	
4785	62.70	10	HJKD	Em. Nuevo Mundo, Colomb.	
	62.70	0.5	ZYM8	R. Ribamar, Brazil	
	62.70	0.5	ZYY20	R. Dif. do Guapore, Brazil	
4789	62.65	0.25	HC4AS	Voz de los Caras, Ecuador	
4790	62.63	7.5	YVQN	Onda Porteñas, Venezuela	
4795	62.54	0.25		R. Zanzibar	
	62.54	1	HJFU	Voz del Comercio, Colomb	
	62.54	10	HJTB	»R. Militar«, Colombia	
	62.54	1.5		R.A.E.F., Fr. Equat. Af.	
4800	62.50	1	YSDR	R. Tropical, Salvador	
	62.50	0.3	HC4HV	La Voz de Jipijapa, Ecuador	
	62.50	7.5	YVFM	Ondas del Lago, Venezuela	
4805	62.43	1	ZYS8	R. Dif. do Amazonas, Brazil	
	62.43	0.25	HC5SA	R. Amazonas, Ecuador	
4804	62.45	0.5	ZHW6	Kisumu, Kenya	
4805	62.62	10	YDL3	Padang, Indonesia	
4807	62.40	10/50		Karachi, Pakistan	
	62.40	7.5		Dacca, Pakistan	
	62.40	1		Lahore, Pakistan	
4810	62.37	1	YVNG	R. Popular, Venezuela	
	62.37	0.25	HC3RC	R. Coro Santa Cecilia, Ecuad.	
	62.37	20		Paradys, So. Africa	
4815	62.34	1	HJKT	Voz de Cucuta, Colombia	
	62.34	1	ZYP33	Petropolis, R. Dif. Brazil	
	62.34	0.5	CR8AB	Goa, Port. India	
4820	62.24	1.5		St. Denis, Reunion	
	62.24	1	YVRC	Voz de Apure, Venezuela	
	62.24	5	YSABC	R. Emisora Salvadoreña, El Salvador	
	62.24	0.2	XEJG	Guadalajara, Mexico	
4825	62.18	1	HJHC	R. Nariño, Colombia	
	62.18	0.5	ZYE7	R. Ecuacadora de Parnaiba, Brazil	
4826	62.16	15	ZQP	Lusaka, N. Rhodesia	
4829	62.11	7.5	CR7BV	R. Clube de Mozambique, M.	
4830	62.10	5	YVOB	Voz del Tachira, Venezuela	
	62.10	1	HSK	R. Thailand, Thailand	
4835	62.05	1	HJKE	R. Continental, Colombia	
	62.05	0.5	ZYV37	R. Soc. Triangulo, Brazil	
	62.05	4		Bamako, Fr. Sudan	
4840	61.98	1	YVOI	R. Valera, Venezuela	
	61.98	10	YDU	Denpassar, Indonesia	
	61.98	0.5	YSCB	La Voz del Pacifico, El Salv.	
4845	61.92	1	ZYU8	R. Dif. Teresina, Brazil	
4850	61.86	1	YVMS	R. Universo, Venezuela	
	61.86	0.35	PZH5	Paranaribo, Surinam	
4850	61.86	0.25	HC3CV	Ond. del Zamora, Ecuador	
4851	61.84	1	CR6RQ	Nova Lisboa, Angola	
4855	61.79	0.25	CP39	R. Cobija, Bolivia	
	61.79	10	HJFV	R. Neiva, Colombia	
	61.79	10	YDK	Palembang, Indonesia	
	61.79	1	ZYR61	R. Dif. Taubaté, Brazil	
4860	61.73	0.3	OXC4B	R. El Pueblo, Peru	
	61.73	1	YVPA	R. Yaracay, Venezuela	
	61.73	1		R. Kashmir, India	
	61.73	0.25	HI5C	La Voz del Progreso, Dom. Rep.	
4865	61.66	1	CSA93	Ponta Delgada, Azores	
	61.66	1	HJFA	Voz de Pereira, Colombia	
	61.66	10	YDR	Ambon, Indonesia	
	61.66	2.5	PRC5	R. Clube do Para, Brazil	
4869	61.60	1	CR6RN	R. Clube de Angola, Angola	
4870	61.60	7.5		Colombo, Ceylon	
	61.60	0.25	HC4RM	R. Miramar, Ecuador	
	61.60	4		R. Cotonou, Dahomey	
4875	61.54	5	HJBG	La Voz del Norte, Colombia	
4878	61.50			Thai Army R., Thailand	
4880	61.48	7.5	YVKF	Ond. Populares, Venezuela	
	61.48	10	YDG	Surakarta, Indonesia	
	61.48	0.75	OCX4E	R. 1160, Peru	
4885	61.41	5	VQ7LO	Nairobi, Kenya	
	61.41	0.5	ZYV50	Pocos de Caldas, Brazil	
4890	61.35	5	YVKB	R. Dif., Venezuela	
	61.35	15/100		Moscow, USSR	
	61.35	3	HC1MI	R. Gran Colombia, Ecuador	
	61.35	0.5	HI5B	Santiago, Dom. Rep.	
4893	61.32	4		Dakar, Fr. W. Africa	
4895	61.29	20		Paradys, S. Africa	
	61.29	2.5	PRF6	R. Baré, Brazil	
4897	61.25	10	VLX4	Perth, Australia	
4900	61.22	10		Colombo, Ceylon	
	61.22	0.25	HC5ZC	La Voz de Riobamba, Ecuad.	
	61.22	1	YVQE	R. Bolivar, Venezuela	
	61.22	0.02	TGLAB	R. Victoria, Guatemala	
4904	61.18	4		R. Tchad, Fr. Equat. Africa	
4905	61.16	1	HJAG	Emisora Atlantico, Colombia	
	61.16	5	ZYZ20	R. Relogio, Brazil	
4907	61.12	2.5		R. Cambodge, Cambodia	
4910	61.10	0.3	YDB2	Djakarta, Indonesia	
	61.10	0.45	OAX2H	R. Libertad, Peru	
	61.10	10/50		Karachi, Pakistan	
	61.10	4		Conakry, Guinea (French)	
	61.10	0.5	HI9B	Santiago, Dom. Rep.	
	61.10	0.1	CX28	R. Imparcial, Uruguay	
	61.10	0.1	CW43	R. Internacional, Uruguay	
4915	61.04	1	HJEQ	Voz de Cauca, Colombia	
	61.04	5		Accra, Ghana	
	61.04	0.5	ZYR60	Araraquara, Brazil	
	61.04	1.5	ZYE2	R. Dif. de Macapa, Brazil	
4917	61.00	7.5	CR7BU	R. Club de Mozambique, M.	
4920	60.98	10	VLM4	Brisbane, Australia	
	60.98	7.5	YVKR	R. Caracas, Venezuela	
4924	60.92	0.06	CR6RR	R. Cassanguidi, Angola	
4925	60.91	1	HJAP	R. Colonial, Colombia	
	60.40	1	ZYA36	R. Industrial, Brazil	
4930	60.85	7.5	YDP	Medan, Indonesia	
	60.85	0.25	HC1RC	R. Casa de la Cultura, Ecuad.	
	60.85	0.5	HRTP	La Voz de Olancho, Honduras	
4934	60.80	7.5	ZHW2	Nairobi, Kenya	
	60.79	10/50		Karachi, Pakistan	
4935	60.80	2	ZYI21	R. Poti, Brazil	
	60.80	1	HJLF	Ondas de Ibague, Colombia	
4940	60.73	2	YVMO	R. Occidental, Venezuela	
	60.73	0.25		AIR Bhopal, India	
	60.73	0.06	CR6RS	R. Maludi, Angola	
	60.73	10		R. Abidjan, Ivory Coast	
4945	60.67	1	HJCW	Emis. Sur. America, Colomb.	
	60.67	10	YDA3	Bandung, Indonesia	
	60.67	20		Paradys, S. Africa	
4950	60.60	2		Kingston, Jamaica	
	60.60	1	YVMM	R. Coro, Venezuela	
	60.60	25		Dakar, Sénégal	
4955	60.54	3	CR6RZ	R. Angola, Angola	

kc/s	m	kW	Call	Stations and countries	Rem.
4958	60.50	2		Baku, USSR	
4960	60.48	20/100	VUD	AIR, Delhi, India	
	60.48	1	YVQA	R. Sucre, Venezuela	
	60.48	0.25	HC5HP	Ondas Ecuatorianas, Ecuador	
	60.48	1	HC2AN	R. Cenit, Ecuador	
4965	60.42	1	ZYP20	R. Copacabana, Brazil	
	60.42	10	HJAF	Emis. Fuentes, Colombia	
	60.42	0.35	ZK1ZA	R. Rarotonga, Cook Isl.	
4970	60.36	10	YVLK	R. Rumbos, Venezuela	
	60.36	7.5		Colombo, Ceylon	
4972	60.32	6		Khartoum, Sudan	
4975	60.30	4		R. Yaounde, Cameroon (Fr.)	
	60.30	2.5	ZYV9	R. Timbira, Brazil	
4977	60.28	0.06	CR6RI	R. Andrade, Angola	
4978	60.27	4		R. Mogadiscio, I. Somali	
4980	60.25	0.25	OQ2AC	R. College, Belgian Congo	
	60.25	3	OQ2AD	U.F.A.C., Belgian Congo	
	60.25	0.25	HI3K	Ondas del Yaque, Dom. Rep.	
	60.25	0.25	HC5JE	Ondas Azuayas, Ecuador	
4985	60.18	1	YDN2	Kotaradja, Indonesia	
	60.18	0.5	ZYZ5	A Voz do Oeste, Brazil	
	60.18	0.5	ZHW4	Mombasa, Kenya	
	60.18	0.25	HC1RQ	R. Quito, Ecuador	
4990	60.12	0.04	ZCQ3	Victoria, Seychelles	
	60.12	10	YVMQ	R. Barquisimeto, Venezuela	
	60.12		HC3DC	Ondas Castellanas, Ecuador	
	60.12	20		Lagos, Nigeria	
4995	60.06			Petrozavodsk, USSR	
	60.06			Khabarovsk, USSR	
	60.06	1	ZYY2	R. Brazil Central, Brazil	
5000	60.00	0.5	MSF	Teddington, Gt. Britain	
	60.00	2	WWVH	Puunene, Hawaii	
	60.00	1		Kuwait, Kuwait	
	60.00	10	WWV	Washington, USA	
	60.00	2	JJY	Tokyo, Japan	
	60.00	2	LOL	Buenos Aires, Argentina	
5010	59.88	7.5		F.B.S. Singapore, Malaya	
	59.88	1	OAX5O	R. Pisco, Peru	
	59.88	5		Grenada, Windward Isl.	
5015	59.82	10	HJCA	R. Nacional, Colombia	
	59.82			Vladivostok, USSR	
5020	59.76	1		Colombo, Ceylon	
	59.76	1	HJFW	Transm. Caldas, Colombia	
5024	59.71	0.4	CR6RH	Sa da Bandeira, Angola	
5026	59.69	7.5		Kampala, Uganda	
5030	59.64	0.2	HI8Z	R. Santiago, Dom. Rep.	
	59.64	5	YDM2	Bukittinggi, Indonesia	
	59.64	7.5	YVKM	R. Continente, Venezuela	
	59.64	15/120		Peking, China	
	59.64	0.4	4VGS	R. Independance, Haiti	
5034	59.59	0.25		Nairobi (FBS), Kenya	
5036	59.57	4		R. Lomé, Togoland	
5040	59.52	0.225	4VPM	Port-de-Paix, Ha ti	
	59.52	2		Tbilisi, USSR	
	59.52	2.5	YVMA	R. Ecos del Zulia, Venezuela	
5042	59.48	1	CR6RF	R. Club de Benguela, Angola	
5045	59.46	5		Hollandia, N. Guinea	
5045	59.46	5	ZYP23	R. Quitandinha, Brazil	
	59.46	0.3		Beira, Mozambique	
5050	59.41	20		Dar-es-Salaam, Tanganyika	
	59.41	5	YVKD	R. Cultura, Venezuela	
	59.41	0.20	HC5ED	R. Roxi, Ecuador	
	59.41	1	HJDW	Voz de Medellin, Colombia	
5052	59.39	5		Kuching, Sarawak	
5055	59.36	0.25	HC1GP	R. Catolica, Ecuador	
	59.36	0.5	HI2L	Voz del Tropico, Dom. Rrp.	
	59.36	1	ZYO23	R. Vitoria, Brazil	
5060	59.29	7.5	YDJ	Jogjakarta, Indonesia	
5065	59.23	15/100		Moscow, USSR	
5068	59.19	0.4	4VRM	La Voix de Gonaives, Haiti	
5075	59.13	25	HJGC	R. Sutatenza, Colombia	
5116	58.64			Novosibirsk, USSR	
5125	58.54	15/120		Peking, China	
5175	57.97	15/100		Moscow, USSR	
5200	57.69	0.3	HC6GB	R. Nacional Espejo, Ecuador	
5220	57.47	15/120		Peking, China	
5320	56.39	1	4V2S	R. Port-au-Prince, Haiti	
5470	54.84	0.25		Frankfurt (AFN), Germany	
5480	54.65	15/100		Moscow, USSR	
5703	52.60			Pyongyang, N. Korea	
5720	52.45	0.2	HC1VG	La Voz de Montufar, Ecuador	
5740	52.26			Erivan, USSR	
5750	52.18	0.5	CE8AA	R. Soc. Nac. de Agricult., Chile	
	52.18		4VBS	La Voix de Sud, Haiti	
5785	51.81	0.25	HC4DC	R. Dif. Cenit, Ecuador	
5790	51.81	0.25		Thai Army R., Thailand	
5800	51.72	0.2	HC1DF	La Voz del Norte, Ecuador	
5860	51.19	15/120		Peking, China	
5880	51.02	15/120		Peking, China	
	51.02	1.5	HROW	R. Monserrat, Honduras	
5900	50.84	0.25	ZNB	Mafeking, Bechuanaland	
5912	50.74	15/100		Moscow, USSR	
5930	50.59	15/100		Moscow, USSR	
5940	50.51	15/100		Moscow, USSR	
5943	50.48	0.25	HC1FM	R. Equinoccial, Ecuador	
		5950–6200 kc/s – 49 meter band			
5950	50.42	3.5	BEC28	Taipei, Taiwan	
	50.42	0.3	HC4CA	R. Costa Azul, Ecuador	
5952	50.40	5	TGNA	R. Cultural, Guatemala	
5955	50.38	10/100		Allouis, France	
5955	30.38	0.25	OAX4P	R. Huancayo, Peru	
	50.38	0.5	HS3PI	Bangkok, Thailand	
5960	50.34	100	CSA206	R. Nacional, Portugal	
	50.34	1	OAX7L	La Voz del Altiplano, Peru	
	50.34	0.1	VQO2	Honiara, Solomon Isl.	
	50.34	50/60/100		R. Roma, Italy	
	50.34	15/100		Moscow, USSR	
	50.34	10/100		R. Free Europe, Germany	
	50.34	1	BEC38	Taipei, Taiwan	
	50.34	0.5	HOL21	R. Hogar, Panama	
	50.34	1	HJCF	Voz de Bogota, Colombia	
	50.34	1	HRN	La Voz de Honduras	
	50.34	25		Dakar, Sénégal	
5965	50.28	10/100		Allouis, France	
	50.28	0.5	YNWW	R. Sport, Nicaragua	
	50.28	7.5	ZYU60	R. Guaiba, Brazil	
	50.28	0.25	HC5GE	R. Mundial, Ecuador	
	50.28	1.5	BEC26	Tsoying, Taiwan	
5968	50.27	5/25/50/100		Vatican City, Vatican State	
	50.27	1		Sebaa-Aioun, Morocco	
5970	50.25	50	CKNA	R. Canada, Canada	
	50.25	1		NCDA, Philippines	
	50.25	15/100		Moscow, USSR	
	50.25	0.3	CBNX	St. John's, Canada	
	50.25	7.5	HI4T	La Voz Dominicana, Dom. R.	
	50.25	10/100		R. Free Europe, Germany	
	50.25	1	YDO2	Bandjarmasin, Indonesia	
	50.25	10	OBX4Q	R. El Sol, Peru	
	50.25	3		R. Brazzaville (R. AEF), Fr. Ecuat. Africa	
	50.25	0.5	TGLA	R. Victoria, Guatemala	
5972	50.22	25		R. Andorra, Andorra	
	50.22	1	HRVW	La Voz de Centro America, Honduras	
5975	50.21	15/100	MCP	BBC, London, Gt. Britain	
	50.21	7.5	RAU1	R. Angkatan Udara, Indones.	
	50.21	0.25		R. Illimani, Bolivia	
	50.21	0.4	HC3RF	R. Fátima, Ecuador	
	50.21	3	ZPA1	R. Nacional, Paraguay	
	50.21	2.5	ZYJ7	R. Guaruja, Brazil	
5976	50.20	100	CSA78	R. Nacional, Portugal	
5980	50.17	120/240		Peking, China	
	50.17	7.5	4VB	R. Commerce, Haiti	
	50.17	2	ZFY	R. Demarara, Br. Guiana	
	50.17	0.5	OBX4M	R. Panamaricana, Peru	
	50.17	100	HLKA	Suwon, S. Korea	
	50.17	1	TGAR	R. Quetzal, Guatemala	
	50.17	7.5		Dacca, Pakistan	
	50.17	10/50		Karachi, Pakistan	
	50.17	0.3	HC6PB	R. Paz y Bien, Ecuador	
	50.17			Bucuresti, Rumania	
	50.17	3.5	BED29	Taipei, Taiwan	
	50.17	15/100		Moscow, USSR	
	50.17	100	DMQ5	Deutsche Welle, Germany	
5985	50.13	1	LRS2	R. Splendid, Argentina	
	50.13	4	OEI30	Kronstorf, Austria	
	50.13	10/100		R. Free Europe, Germany	
	50.13	1		Sanaa, Yemen	
5990	50.08	15/100	MCU	BBC, London, Gt. Britain	
	50.08	0.3	HC6GY	R. Luz, Ecuador	
	50.08	50	CHAY	R. Canada, Canada	
	50.08	1	YDS2	Menado, Indonesia	
	50.08	10/50		Karachi, Pakistan	
	50.08	20/100		AIR, Delhi, India	
	50.00	3	TGJA	R. Nuevo Mundo, Guatemala	
	50.08	0.5	OAX4V	R. America, Peru	
	50.08		OQ2AE	Luluabourg, Belgian Congo	
	50.08	1	TIQ	Radio Casino, Costa Rica	
5995	50.04	1	YNDG	R. Colonial, Nicaragua	
	50.04	15/100		Moscow, USSR	
	50.04	1	HRPI	El Eco de Honduras, Hond.	
	50.04	3.5	BEC36	Taipei, Taiwan	

kc/s	m	kW	Call	Stations and countries	Rem.
6000	50.00	0.4	OEI20	Innsbruck, Austria	
	50.00	15/100		Moscow, USSR	
	50.00	40		R. Nacional, Spain	
	50.00	1	DZH4	Voice of the Philippines, Phil.	
	50.00	5	CXA2	R Sur, Uruguay	
	50.00	0.25	TGTA	R. Sonora, Guatemala	
	50.00	5	PRK5	R. Inconfidencia, Brazil	
	50.00	0.3	YNBH	R. Panamericana, Nicaragua	
6003	49.97	0.15	CSB56	Emisora Liceu, Portugal	
6004	49.96	7.5		Colombo, Ceylon	
6005	49.96	20		Berlin, RIAS, Germany	
	49.96	5/25/50/100		Vatican City, Vatican State	
	49.96	1	HP5K	Voz de la Victor, Panama	
	49.96	0.5	HRQR	La Voz del Pueblo, Honduras	
6006	49.95	1	CNR3	Sebaa-Aioun, Morocco	
	49.95	1	TIHBG	R. Crystal, Costa Rica	
6010	49.92	1	CJCX	Sydney, Canada	
	49.92	2.5	HJFC	La Voz de Armenia, Colomb.	
	49.92	5	CE601	Emisoras Norte, Chile	
	49.92	5	YSS	R. Nacional, El Salvador	
	49.92	15/100		Moscow, USSR	
	49.92	15/100	GRB	BBC, London, Gt. Britain	
	49.92	50/60/100		R. Roma, Italy	
	49.92	2.5	XEOI	Radio Mil, Mexico	
6015	49.88	10/100		R. Free Europe, Germany	
	49.88	25	PRA8	R. Cl. de Pernambuco, Brazil	
	49.88	20		Yamata (VUNC), Japan	
	49.88	0.2	HC4EB	R. Manta, Ecuador	
6018	49.84	5	HJCX	Voz de Colombia, Colombia	
	49.84	7.5		Salisbury, S. Rhodesia	
6020	49.83	40		Kiev, USSR	
	49.83	10/100		R. Free Europe, Germany	
	49.83	0.25	XEUW	El Eco de Sotavento, Mexico	
	49.83	7.5	ZL20	Wellington, N. Zealand	
	49.83	1	OAX4Q	R. Victoria, Peru	
	49.83	0.5	TGDA	La Voz de Occidente, Guate.	
6022	49.81	1	ELB1	Monrovia, Liberia	
6025	49.79	10	ZYR63	R. Em. de Piratininga, Brazil	
	49.79	0.1	HI1J	Voz de Oriente, Dom. Rep.	
	49.79	2	ZPA10	R. Paraguay, Paraguay	
	49.79	50		R. Nederland, Holland	
	49.79	5	VS2K6	Kuala Lumpur, Malaya	
	49.79	7.5	CR8AB	R. Goa, Port. India	
	49.79	100	OLR2F	Praha, Czechoslovakia	
6030	49.75	1		Lahore, Pakistan	
	49.75	0.1	CFVP	Calgary, Canada	
	49.75	5/25/50/100		Vatican City, Vatican State	
	49.75	20		Mühlacker (SDR), Germany	
	49.75	5	XEKW	R. Continente, Mexico	
	49.75	0.25	HP5B	R. Cadena Miramar, Panama	
	49.75	2	DZH6	»The Call of Orient«, Phil.	
	49.75	3	OPS	Elisabethville, Belgian Congo	
	49.75	15/100		Moscow, USSR	
	49.75	2	TGTQ	R. Internacional, Guatemala	
6035	49.71	15/100		Moscow, USSR	
	49.71	30	3AM3	Monte Carlo, Monaco	
	49.71	1/6		Noumea, New Caledonia	
	49.71	15/100	GWS	BBC, London, Gt. Britain	
	49.71	10/50		Karachi, Pakistan	
	49.71	10	ZYZ26	R. Globo, Brazil	
	49.71	0.15	OAX6B	R. Landa, Peru	
	49.71	1	CXA30	R. Nacional, Uruguay	
6037	49.69	0.5	TIFC4	Faro del Caribe, Costa Rica	
6040	49.67	15/100	GSY	BBC, London, Gt. Britain	
	49.67	15/100		Moscow, USSR	
	49.67	20/100		AIR, Delhi, India	
	49.67	0.5	YNLU	R. Managua, Nicaragua	
	49.67	50/200	KCBR	Delano, USA	
	49.67	0.5	TGCO	Voz de Tropico, Guatemala	
	49.67	10	HJLB	La Voz del Tolima, Colombia	
	49.67	5	CE604	R. Libertad, Chile	
6042	49.65	0.25	OAX6A	R. Arequipa, Peru	
6045	49.63	5	XETW	La Voz de Tampico. Mexico	
	49.63	100	YDF	Djakarta, Indonesia	
	49.63	1	HOU31	Voz del Baru, Panama	
	49.63	10/100		Allouis, France	
	49.63	5		Amman, Jordan	
	49.63	4		St. Louis, Sénégal	
6050	49.59	0.5	HRLP	R. America, Honduras	
	49.59	5	YSR	La Voz de El Salvador, El Salvador	
	49.59	15/100	GSA	BBC, London, Gt. Britain	
	49.59	0.5	VSZ10	Tarawa, Gilbert Islands	
	49.59	1	HCJB	Voz de los Andes, Ecuador	
	49.59	0.8	TGXB	R. Centro Musical, Guatem.	
6055	49.55	7.5	PRB21	R. Panamericana, Brazil	
	49.55	5	HJEX	R. Pacifico, Colombia	
	49.55	10	JOZ2	Tokyo, Japan.	
	49.55	0.6	YNOW	Voz de la America Central Nicaragua	
	49.55	5	CXA14	Servicio de Inform., Uruguay	
	49.55	0.25	DYH4	Dumaguete City, Philippines	
	49.55	20/50		R. Liberation, Germany	
	49.55	100	OLR2G	Praha, Czechoslovakia	
6060	49.50	1	HRYN2	Voz del Merendon, Honduras	
	49.50	15/100	GSX	BBC, London, Gt. Britain	
	49.50	3	VQ7LO	Nairobi, Kenya	
	49.50	50	CKRZ	R. Canada, Canada	
	49.50	50	OZF3	Herstedvester, Denmark	
	49.50	15/100		Moscow, USSR	
	49.50	7.5		Kuching, Sarawak	
	49.50	7.5/50		Manila (VOA), Philippines	
	49.50	50/200	KNBH	Dixon, USA	
	49.50	0.5	HORT	R. Balboa, Panama	
	49.50			Caltanissetta (RAI), Italy	
	49.50	1.5	TGXX	R. Ciros, Guatemala	
	49.50	50/60/100		R. Roma, Italy	
6062	49.49	16	LRA1	R. Nacional, Argentina	
	49.49	2		Bangkok, Thailand	
6065	49.46	0.4	YNEQ	Voz de la Victoria, Nicaragua	
	49.46	100		Hörby, Sweden	
	49.46	5	XEXG	R. Dif. Mexico, Mexico	
	49.46	15/120		Peking, China	
6067	49.45	1	EHT1	Tetuan, Morocco	
6069	49.43	50/100	JOA	Tokyo, Japan	
6070	49.42	1	CFRX	Toronto, Canada	
	49.42	15/100	GRR	BBC, London, Gt. Britain	
	49.42	100		R. Sofia, Bulgaria	
	49.42	10/50/100		R. Australia, Australia	
	49.42	0.25	CP18	R. El Condor, Bolivia	
	49.42	15/100		Moscow, USSR	
	49.42	0.25	HC1AC	La Voz de la Democracia, Ecuador	
	49.42	1	HSK5	R. Thailand, Thailand	
	49.42	10/50		Karachi, Pakistan	
	49.42	0.3	OAX4S	R. San Cristobal, Peru	
	49.42	5	CE607	R. Soc. Nac. de Mineria, Chile	
	49.42	0.25	TGPA	R. Palmeras, Guatemala	
6075	49.38	0.5	TIGG	E. Excelsior, Costa Rica	
	49.38	20		NDR, Germany	
	49.38	2.5	CXA3	R. Ariel, Uruguay	
	49.38	0.5	HRMH	La Voz del Junco, Honduras	
	49.38	1		Lahore, Pakistan	
	49.38	10/50		Karachi, Pakistan	
	49.38	0.45	YNOG	R. America, Nicaragua	
	49.38	5		R. Athens, Greece	
	49.38	100		VOA, Honolulu, Hawaii	
6080	49.34	15/100	MVV	BBC, London, Gt. Britain	
	49.34	50/100	JOB	Tokyo, Japan	
	49.34	0.25	DZI7	Voice of Manila, Philippines	
	49.34	8/100		München (VOA), Germany	
	49.34	0.01	CKFX	Vancouver, Canada	
	49.34	7.5	ZL7	Wellington, New Zealand	
	49.34	10	CSB51	R. Clube Portuguese, Portug.	
	49.34	0.25	TGCB	R. Colonial, Guatemala	
6082	49.32	40	OAX4Z	R. Nacional, Peru	
6085	49.30	0.5	VP4RD	R. Trinidad, Trinidad	
	49.30	10/100	VUM	AIR, Madras, India	
	49.30	16	ZYK2	R. Jornal do Comercio, Brazil	
	49.30	120/240		Peking, China	
	49.30	3	OOB	Stanleyville, Belgian Congo	
6090	49.26	2	VLI6	Sydney, Australia	
	49.26	0.3	HOO	R. Independiente, Panama	
	49.26	15/100	GWM	BBC, London, Gt. Britain	
	49.26	50	CKOB	R. Canada, Canada	
	49.26	7.5	CBFW	Montreal, Canada	
	49.26	50		R. Luxembourg	
	49.26	15/100		Moscow, USSR	
	49.26	10		R. Cambodge, Cambodia	
	49.26	40	LRY1	R. Belgrano, Argentina	
	49.26	0.5/50	BED44	Taipei, Taiwan	
6095	49.22	1	OAX4H	R. Mundial, Peru	
	49.22	100		Hörby, Sweden	
	49.22	1	YSC	Ondas Populares y Deportivas, El Salvador	
	49.22	10/100		R. Free Europe, Germany	
	49.22	25	ZYB7	R. Dif. de Sao Paulo, Brazil	
	49.22	10		Colombo, Ceylon	
6100	49.18	1	CE610	R. Calama, Chile	
	49.18	15/100		Moscow, USSR	
	49.18	15/120		Peking, China	
	49.18	100		R. Belgrade, Yugoslavia	

kc/s	m	kW	Call	Stations and countries	Rem.
	49.18	0.25		Bangkok, Thailand	
	49.18	02.5	DYH3	R. Cebu, Philipp	
	49.18	0.3	TGOA	La Voz de las Americas, Guatemala	
	49.18			Hanoi, N. Vietnam	
	49.18	0.05	4VE	La Voix Evangelique, Haiti	
	49.18	10		Djeddah, Saudi Arabia	
6105	49.14	5	HJFB	R. Manizales, Colombia	
	49.14	1	CR6RR	R. Diamang, Angola	
	49.14	7.5/100		Warsaw, Poland	
	49.14		XEQM	Merida, Mexico	
	49.14	5	ZYN6	Ceara R. Clube, Brazil	
6106	49.14	3	BEC32	Taipei, Taiwan	
6110	49.10	1		Radio Kashmir, India	
	49.10	15/100	GSL	BBC, London, Gt. Britain	
	49.10	7.5/100		BBC, Singapore, Malaya	
	49.10	15/100		Moscow, USSR	
	49.10	7.5	DZI4	Manila, Philippines	
	49.10	1	TGQA	R. Nacional, Guatemala	
	49.10	1	HRXV	R. Camayagüela, Honduras	
	49.10	0.5	CE611	Nac. de Agricultura, Chile	
	49.10	2		R. Tanger, Morocco	
6112	49.08	0.25		Nairobi (FBS), Kenya	
	49.08	1	HI1Z	Broadc. Nacional, Dom. R.	
6115	49.06	100	DMQ6	Deutsche Welle, Germany	
	49.06	1		R. Douala, Cameroon (Fr.)	
	49.06		OBX4Z	R. Luz, Peru	
	49.06	5		Deutschlandsender, Germ.	
	49.06			Khabarovsk, USSR	
6120	49.02	15/100		Moscow, USSR	
	49.02	7.5/20		BBC, Cyprus, Cyprus	
	49.02	10	LRX1	R. El Mundo, Argentina	
	49.02	15	OIX7	Pori, Finland	
	49.02	7.5/50		Manila (VOA), Philippines	
6122	49.00	0.5	HP5P	La Voz del Pueblo, Panama	
	49.00	7.5	EQR2	Tabriz, Iran	
6125	48.98	10	CXA4	S.O.D.R.E., Uruguay	
	48.98	2	HRQ	La Voz del Junco, Honduras	
	48.98	15/100	GWA	BBC, London, Gt. Britain	
	48.98	7.5	PRG9	R. Nac. de Sao Paulo, Brazil	
	48.98	0.35		R. El Condor, Bolivia	
6128	48.96	0.1	OAX7A	R. Cuzco, Peru	
6130	48.94	0.25	HI1G	Radiodifusora HIG, Dom. R.	
	48.94	2	VLT6	Port Moresby, New Guinea	
	48.94	10	VLX6	Perth, Australia	
	48.94	0.25	HC2FB	R. Condor, Ecuador	
	48.94	10	XERCM	R. Central de Mexico, Mex.	
	48.94	10/100	LKJ	R. Norway, Norway	
	48.94	10/100		R. Free Europe, Germany	
	48.94	15/100		Moscow, USSR	
	48.94	1	YSABC	R. Emis. Salvadoreña, El Salv.	
	48.94	1		R. Lao, Laos	
	48.94	100		R. Nacional, Spain	
6135	48.90	0.5	HRMF	La Voz del Patio, Honduras	
	48.90	4		Papéete, Tahiti	
	48.90	7.5	ZHP	Singapore, Malaya	
	48.90	0.5	CP30	R. Grigota, Bolivia	
	48.90	7.5	PRC21	R. Soc. Gaucha, Brazil	
	48.90	1	4VGC	R. Liberté, Haiti	
6136	48.90	2.5		Malaga (R. Nac.), Spain	
6140	48.96	15/100	MCW	BBC, London, Gt. Britain	
	48.86			R. Tripoli, Libya	
	48.96	0.4	YNWA	R. Mundial, Nicaragua	
	48.86	0.5	HOQQ	R. Nacional, Panama	
	48.86	0.5	DYH2	Voice of Cebu, Philippines	
	48.86	8/100		Munich (VOA), Germany	
	48.86	0.5	HI8Z	R. Santiago, Dom. Rep.	
	48.86	0.5	TGHC	R. Universal, Guatemala	
6145	48.82	100		Allouis, France	
	48.82	35		Okinawa (VOA), Ryukyu Isl.	
	48.82	10	HJDE	Voz de Antioquia, Colombia	
	48.82	2.5		Enugu, Nigeria	
	48.82	0.5	HRXN	Alma de Centro America, Honduras	
6147	48.80	50	PRL9	R. Nacional, Brazil	
6150	48.78	5	VLR6	Melbourne, Australia	
	48.78	15/100	GRW	BBC, London, Gt. Britain	
	48.78	15/100		Moscow, USSR	
	48.78	5	CE615	R. Cooperativa Vitalicia, Chil.	
	48.78	100		R. Belgrade, Yugoslavia	
	48.78	7.5		Aden, Aden	
	48.78	0.25	TICH	R. El Mundo, Costa Rica	
	48.78	0.25	CP12	R. Fides, Bolivia	
	48.78	0.25	OAX1A	R. Delcar, Peru	
	48.78	0.5	TGAZ	R. Continental, Guatemala	
6153	48.75	0.5	OBX4G	R. Exelcior, Peru	
6154	48.74	0.6	CSB52	R. Renascenca, Portugal	
6155	48.74	0.2	OEI21	Wien, Austria	
	48.74	10	CXA13	R. Carve, Uruguay	
	48.74	0.15	4VWA	R. Citadelle, Haiti	
	48.74	10	HJTC	R. Militar, Columbia	
	48.74	1		R. Conakry, Fr. Guinea	
6160	48.70	1	CP40	Emisora LAB, Bolivia	
	48.70	1	OCX4G	R. Mundo, Peru	
	48.70	10	HJKJ	Nueva Granada, Colombia	
	48.70	10		Tokyo (FEN), Japan	
	48.70	50		Algiers I, Algeria	
	48.70	0.5	CBUX	Vancouver, Canada	
	48.70	10		München (B.R.), Germany	
	48.70	50	CHAC	R. Canada, Canada	
	48.70	0.2	HI1R	Voz de Fundacion, Dom. Rp.	
	48.70	15/100		Moscow, USSR	
	48.70	0.25	TGZA	R. Oriental, Guatemala	
6165	48.66	5	HRTW	Union R. Hondureña, Hond.	
	48.66	1	3WT13	R. Nacional, S. Vietnam	
	48.66	100	HER3	Schwarzenburg, Switzerland	
	48.66	20		Damascus, Syria	
	48.66	15/100	GWK	BBC, London, Gt. Britain	
	48.66	7.5	ZYR58	R. Cultura, Brazil	
6170	48.62	7.5/20		BBC Cyprus, Cyprus	
	48.62	8/10		München (VOA), Germany	
	48.62	1	DUH2	The Peoples Station, Philipp.	
	48.62	15/100	GSZ	BBC, London, Gt. Britain	
	48.62	15/100		Moscow, USSR	
	48.62	10/50/100		R. Australia, Australia	
	48.62	0.2	ZHW24	R. Nyeri, Kenya	
	48.62	0.25	HC2AQ	R. Nueva Ortiz, Ecuador	
	48.62	1	CXA21	R. Fenix, Uruguay	
	48.62	0.15	YSHQ	R. Progreso, El Salvador	
	48.62	3	YVKO	R. Nacional, Venezuela	
	48.62	10	YDL	Padang, Indonesia	
6172	48.60	1	FIQA	R. Tananarive, Madascar	
6175	48.58	7.5/100		BBC, Singapore, Malaya	
	48.58	0.3	HP5G	R. Panamericana, Panama	
	48.58	20/50		R. Liberation, Germany	
	48.58	7.5		Kaduna, Nigeria	
	48.58	0.3	OAX7C	R. Tahuantisuyo, Peru	
	48.58	15/100		BBC, London, Gt. Britain	
	48.58		4VES	La Voix de St. Marc, Haiti	
6177	48.56	5/7.5		Athens (NBI), Greece	
6180	48.54	1	TGWB	R. Nacional, Guatemala	
	48.54	15/100	GRO	BBC, London, Gt. Britain	
	48.54	0.5	YSMA	Voz Suprema de Occidente, El Salvador	
	48.54	10	LRA	R. Nacional, Argentina	
	48.54	0.3	OAX4P	R. Miraflores, Peru	
6184	48.50	0.5		R. Addis Ababa, Ethiopia	
6185	48.50	10	ZYR77	R. Bandeirantes, Brazil	
	48.50	10	HJCQ	R. Nacional, Colombia	
	48.50	10/100	LLI	R. Norway, Norway	
	48.50	0.5	YNVP	Voz de Nicagua, Nicaragua	
	48.50	35		Courier (VOA), Greece	
	48.50	50/200	KCBR	Delano, USA	
	48.50	35		Salonika (VOA), Greece	
	48.50	0.5	HRMT	R. Molino Rojo, Honduras	
	48.50	0.45	CP9	R. Amauta, Bolivia	
	48.50	15/100		Moscow, USSR	
6190	48.47	5/25/50/100		Vatican City, Vatican State	
	48.47	20/50		R. Liberation, Germany	
	48.47	0.25	OAX4G	R. Lima, Peru	
	48.47	0.1	HI9T	Broadc. Tropical, Dom. Rp.	
	48.47	0.25	YNUW	R. Dario, Nicaragua	
	48.47	5	CE619	R. Corporacion, Chile	
	48.47	0.25	CP37	R. Oruro, Bolivia	
	48.47	1	4XB44	Tel Aviv, Israel	
	48.47	1	YSUA	R. Mil Cincuenta, El. Salv.	
6195	48.43	15/100	GRN	BBC, London, Gt. Britain	
	48.43	1	HJEZ	Voz de Cali, Colombia	
	48.43	0.25	HRD2	Voz de Atlantida, Honduras	
	48.43	25		Pyongyang, N. Korea	
	48.43	25	PRD21	R. Emis. Continental, Brazil	
	48.43	100		Budapest, Hungary	
6198	48.40	0.3	OAX1B	R. Piura, Peru	
6199	48.39	0.35		Cayenne, Guiana (Fr.)	
6200	48.39	10/100		Allouis, France	
	48.39	15/100		Moscow, USSR	
	48.39	0.1	TGKN	R. Novedadas, Guatemala	
	48.39	1	4VHW	R. Haiti, Haiti	
	48.39	4		R. Tchad, Fr. Equat. Afr.	
	48.39	10	HRNQ	R. Morazan, Honduras	
6200	48.39	0.35		Omdurman, Sudan	
	48.39	0.25	OAX2A	R. Trujillo, Peru	

kc/s	m	kW	Call	Stations and countries	Rem.
6205	48.35	0.25	HG6SP	R. Cosmopolita, Ecuador	
6210	48.31	15/100		Moscow, USSR	
	48.31	0.46		R. San Miguel de Ibarra, Ecq.	
	48.31			Bucuresti, Rumania	
6220	48.23	0.3	HVCP	La Voix du Nord, Haiti	
6225	48.19	15/120		Peking, China	
6240	48.08	0.1		Mytilini, Greece	
6250	48.00			R. Pyongyang, N. Korea	
	48.00	1		Tec. University, Turkey	
6260	47.92			Chinghai, China	
6265	47.88	0.3	HC4RI	R. Iris, Ecuador	
6270	47.85	0.5		Tripolis (FBS), Greece	
6280	47.77			Sinkiang, China	
6295	47.66	0.25	OTMI	R. Congo Belge, Belg. Congo	
6300	47.62	1		Ankara Police, R. Turkey	
6330	47.39	0.3	OAX6E	R. Continental, Peru	
6383	47.05	0.5	EPP2	Shiraz, Iran	
6400	46.88	0.01	ZPA8	R. Ypir, Paraguay	
6405	46.84	15/100		Moscow, USSR	
6440	46.50	1		Ankara, Tec. School, Turkey	
6480	46.29	15/100		Moscow, USSR	
	46.29	0.06		R. Herakleion, Greece	
6500	46.16	0.35		Beirut (AFRS), Lebanon	
	46.16			Chinghai, China	
6521	46.01	1		Jerusalem, Jordan	
	46.01	0.5		Isfahan, Iran	
6525	45.98	0.3		Carpenission, Greece	
6540	45.87	15/100		Moscow, USSR	
	45.87	0.25		Thai Airforce St., Thailand	
6557	45.60	0.25	HC5VA	La Voz de Azogues Canar, Ec	
6590	45.52	0.1		Chios, Greece	
6600	45.45	0.4	TAZ	R. Izmir, Turkey	
6610	45.39	0.3	HC2LR	La Voz de Alausi, Ecuador	
6635	45.2	0.2	HC2RL	Quinta Piedad, Ecuador	
6660	45.05	15/100		Moscow, USSR	
6690	44.80	0.2		Technical School, Turkey	
6700	44.78	15/100		Moscow, USSR	
6745	44.47	0.2	HC6OM	R 11. de Noviembre, Ecuador	
6752	44.82	0.5		Larissa (FBS), Greece	
6790	44.18	7.5/20		BBC, Cyprus, Cyprus	
	44.18	15/120		Peking, China	
6810	44.05	15/120		Peking, China	
6825	43.96	15		Taschkent, USSR	
	43.95			Inner Mongolia, China	
6830	43.92	2.5	4XB21	Tel Aviv, Israel	
6890	43.54	15/120		Peking, China	
6895	43.52	0.25		Seoul (AFKN), Korea	
6900	42.49	3		Tirana, Albania	
6925	43.33			Chungking, China	
6933	43.27	0.5	EFE5	La Voz de Leon, Spain	
6974	43.02			Inner Mongolia, China	
6985	42.95		HC2CA	La Costa Azul Salinas, Ec.	
6995	42.89	1		R. Mediterraneo, Spain	
	42.89	15/120		Peking, China	
7000	42.86	0.4		Salonika (FBS), Greece	
	42.86		HC6FV	La Voz del Cotopaxi, Ecuad.	
	42.86		HC7MT	La Voz Oriental, Ecuador	
	42.86	0.4		Izmir, Turkey	
	42.86	0.3		R. Atlantico, Canary Isl.	
	42.86	0.2	HC6JB	La Voz de Saleedo, Ecuador	
7005	42.83	0.5	EFE1	La Voz de Valladolid, Spain	
7010	42.80	10/50		Karachi, Pakistan	
7030	42.67	0.5		Tec. University, Turkey	
7035	42.64	0.5	HS4PN	Bangkok, Thailand	
7050	42.55	50/100		Cairo, Egypt	
	42.52			Sinkiang, China	
7065	42.46	15/120		Peking, China	
7072	42.42	0.3		R. Mogadiscio, Ital. Somali	
	42.40	1	CR6RB	Luanda, Angola	
7080	42.37	120/240		Peking, China	
	42.37	1	HSQ	Bangkok, Thailand	
7096	42.27	10/50		Karachi, Pakistan	
	42.27	1		Lahore, Pakistan	
7100	42.25	15/100		Moscow, USSR	
	42.25	5		R. Nepal, Nepal	
	42.25	0.015	EFJ8	R. Ribadavia, Spain	
	42.25	100		R. Nacional, Spain	
	42.25	10/100		Allouis, France	
7105	42.22	10/100		R. Free Europe, Germany	
	42.22	20	YDJ2	Jogjakarta, Indonesia	
	42.22	20/100		AIR, Delhi, India	
	42.22	10/100		Allouis, France	
7110	42.19	35		Colombo, Ceylon	
	42.19	15/100		Moscow, USSR	
	42.19	15/100	MCS	BBC, London, Gt. Britain	
7115	42.16	35/50/100		VOA, Morocco	
	42.16	0.1	CR6AA	R. Lobito, Angola	
	42.16	8/100		München (VOA), Germany	
	42.13	10/100		Allouis, France	
	42.13	15/100	GRM	BBC, London, Gt. Britain	
7120	42.13	7.5/100		BBC, Singapore, Malaya	
7125	42.11	15/100		Moscow, USSR	
	42.11	35		Courier (VOA), Greece	
7126	42.12	0.5	VQ6MI	R. Somali, Somaliland (Br.)	
	42.12	5		R. Eurafrica, Tangier	
	42.12	0.3		Janina (FBS), Greece	
7130	42.08	15/100		BBC, London, Gt. Britain	
	42.07	20/50		R. Liberation, Germany	
7135	42.05	0.3	CEJ31	Wien, Austria	
	42.05	15/100	GRS	BBC, London, Gt. Britain	
	42.05	10/50/100		R. Australia, Australia	
7140	42.02	1	HSK6	R. Thailand, Thailand	
	42.02	10/100		R. Free Europe, Germany	
	42.02	30	3AM4	Monte Carlo, Monaco	
	42.02	1	BEC23	Taichung, Taiwan	
	42.02	15/100		BBC, London, Gt. Britain	
	42.02	7.5		Dacca, Pakistan	
	42.02	0.06	EFJ16	R. Merida, Spain	
7142	42.01	0.25	CR6RA	R. Clube de Angola, Angola	
	42.01	5/7.5		R. Athens, Greece	
7143	42.09	0.1	TAO5	Tec. School, Istanbul, Turkey	
7145	41.99	10/100		R. Free Europe, Germany	
	41.99	20		Damascus, Syria	
	41.99	1		R. Lao, Laos	
7150	41.96	15/100	GRT	BBC, London, Gt. Britain	
	41.96	0.25	OQ2AB	R. Elisabeth, Belg. Congo	
	41.96	5		Deutschlandsender, Germany	
	41.96	0.25		AIR, Bhopal, India	
	41.96	5		Erivan, USSR	
7152	41.94	0.75	CR6RD	Nova Lisboa, Angola	
	41.95			Khabarovsk, USSR	
7155	41.92	1	FIQA	R. Tananarive, Madagascar	
	41.92	8/100		München (VOA), Germany	
7156	41.93	3	OQ2AD	R. VOV, B. Congo	
	41.93	10/100		R. Free Europe, Germany	
	41.93	15/100		Moscow, USSR	
7157	41.92	1		R. Sao Tomé, Sao Tomé	
7160	41.90	10/100		Allouis, France	
	41.90	0.5/5		S. Isabel, Sp. Guinea	
	41.90	5/100	VUD	AIR, Delhi, India	
	41.90	35		Okinawa (VOA), Ryukyu Isl.	
	41.90	0.25		AIR, Ranchi, India	
	41.90	5		Kuching, Sarawak	
7165	41.87	15/100		Moscow, USSR	
	41.87	10/100		R. Free Europe, Germany	
	41.87	10/100		Allouis, France	
7167	41.86	7.5		Dar-es-Salaam, Tanganyika	
7170	41.84	2.5		AIR, Simla, India	
	41.84	100	DMQ7	Deutsche Welle, Germany	
	41.84	20/50		R. Liberation, Germany	
	41.84	4		Dakar, Sénégal	
	41.84	7.5		Aden, Aden	
7175	41.81	10/100		R. Free Europe, Germany	
	41.81			RAI, Palermo, Italy	
7180	41.78	15/100		Moscow, USSR	
	41.78	50/100	JOB2	Tokyo, Japan	
	41.78	10/100		R. Free Europe, Germany	
	41.78	5		R. Sabah, N. Borneo	
	41.78	100	HLKA	Suwon, S. Korea	
	41.78			Benghazi, Libya	
7185	41.75	15/100	GRK	BBC, London, Gt. Britain	
	41.75	2.5		Lusaka, No. Rhodesia	
7190	41.72	5		Hollandia, New Guinea	
	41.72	15/100		Moscow, USSR	
	41.72	35		Colombo, Ceylon	
7192	41.71	10/100		R. Free Europe, Germany	
7200	41.67	10/50		Karachi, Pakistan	
	41.67	15/100	GWZ	BBC, London, Gt. Britain	
	41.67			Stalinabad, USSR	
	41.67	0.25	OQ2AC	R. College, Belg. Congo	
	41.67	10/100		R. Belgrade, Yugoslavia	
	41.67	5	EFE3	Alerta, Spain	
	41.67	7.5	ZHL10	Singapore, Malaya	
7205	41.64	0.05	CR7RB	R. Pax, Mozambique	
	41.64	100	DMQ7	Deutsche Welle, Germany	
	41.64	1		R. Hué, S. Vietnam	
	41.64	20/50		R. Liberation, Germany	
	41.64	10/50/100		R. Australia, Australia	
7210	41.61	100	HE13	Schwarzenburg, Switzerland	
	41.61	100		Hörby, Sweden	
	41.61	0.25/10	VUC	AIR, Calcutta, India	
	41.61	15/100	GWL	BBC, London, Gt. Britain	

kc/s	m	kW	Call	Stations and countries	Rem.
	41.61	15/100		Moscow, USSR	
	41.61			Khabarovsk, USSR	
	41.61	10/100	LLS	R. Norway, Norway	
7212	41.60		OQ2AH	Bukavu, Belgian Congo	
7214	41.59	1		Sebaa-Aioun, Morocco	
7215	41.58	1	BEC27	AFRS, Taiwan	
	41.58	10/50/100		R. Australia, Australia	
7220	41.55	15/100		BBC, London, Gt. Britain	
	41.55	10/50/100		R. Australia, Australia	
	41.55	7.5	ZL12	Wellington, New Zealand	
	41.55	100	YDF5	Djakarta, Indonesia	
	41.55	100		Budapest, Hungary	
	41.55	10/100		Allouis, France	
7225	41.52	20/50		R. Liberation, Germany	
	41.52	7.5		Dacca, Pakistan	
	41.52	10/50		Karachi, Pakistan	
	41.52	1		Lahore, Pakistan	
	41.52	15/100		Moscow, USSR	
	41.52			Szechuen, China	
	41.52			Khabarovsk, USSR	
	41,52			Stalinabad, USSR	
7229	41.50	20		Paradys, S. Africa	
7230	41.49	2.5/10		Voice of Tangier, Morocco	
	41.49	15/100	GSW	BBC, London, Gt. Britain	
	41.49	1	EFE22	R. Oviedo, Spain	
	41.49	7.5		Kampala, Uganda	
7235	41.47	15/100		Moscow, USSR	
	41.47	35/50/100		VOA, Morocco	
	41.47	10/100		R. Free Europe, Germany	
7240	41.44	10/50/100		R. Australia, Australia	
	41.44	15/120		Peking, China	
	41.44	7.5		Colombo, Ceylon	
	41.44	10/100	LLR	R. Norway, Norway	
	41.44	20	YDP3	Medan, Indonesia	
	41.44	10/100		Allouis, France	
	41.44	10/100	VQ7LO	Nairobi, Kenya	
7242	41.42	50/100	JOA2/JOB8	Tokyo, Japan	
7243	41.42	7.5	CR7AA	R. Club de Mozambique, Mo.	
7244	41.42	0.2	CR6RE	Malange, Angola	
7245	41.41	0.3	OEI22	Wien, Austria	
	41.41	4	OEI22	Kronstorf, Austria	
	41.41	15/100		Moscow, USSR	
	41.41	20/50		R. Liberation, Germany	
	41.41	10/100		R. Free Europe, Germany	
7250	41.38	15/100	GWI	BBC, Gt. Britain	
	41.38	5/25/50/100		Vatican City, Vatican State	
	41.38	8/100		München (VOA), Germany	
7255	41.36	15/100		Moscow, USSR	
	41.36	100	OLR8E	R. Prague, Czechoslovakia	
	41.36		OQ2AG	Coquilhatville, B. Congo	
	41.35	0.35	CR7IB	Beira, Mozambique	
	41.36	100		R. Sofia, Bulgaria	
7257	41.34	5	JKH	Tokyo, Japan	
7260	41.32	50	OZF4	Herstedvester, Denmark	
	41.32	15/100	GSU	BBC, London, Gt. Britain	
	41.32	7.5/100		BBC, Singapore, Malaya	
	41.32	10/100	VUM	AIR, Madras, India	
	41.32	35		Salonika (VOA), Greece	
	41.32	0.045	EFJ17	R. Ayora, Spain	
7265	41.29	1.5		Bad Dürrheim, (SWF), Germ.	
	41.29	15/100		Moscow, USSR	
	41.29	1		R. Dalat, Vietnam	
7270	41.27	7.5	YDB3	Djakarta, Indonesia	
	41.27	7.5		Kuching, Sarawak	
	41.27	12		Motala, Sweden	
	41.27	5/25/50/100		Vatican City, Vatican State	
	41.27	15/100		Moscow, USSR	
7275	41.24	20		Paradys, S. Africa	
	41.24	50/60/100		R. Roma, Italy	
	41.24	20/50		R. Liberation, Germany	
7280	41.21	10/100		Allouis, France	
	41.21	15/100	GWN	BBC, Gt. Britain	
	41.21	5/25/50/100		Vatican City, Vatican State	
	41.21	10/50		Karachi, Pakistan	
	41.21	10/50/100		R. Australia, Australia	
	41.21	2.5/10		Voice of Tangier, Morocco	
	41.21			Kansu, China	
7281	41.20	0.04	EFJ6	R. Almansa, Spain	
7285	41.18	100	TAS	R. Ankara, Turkey	
	41.18	5	JKJ	Tokyo, Japan	
	41.18	10/100		R. Free Europe, Germany	
	41.18	10/50		Karachi, Pakistan	
7289	41.15	7.5	ZHL7	Singapore, Malaya	
7290	41.15	12	3WT12	R. National, S. Vietnam	
	41.15	20/100	VUD	AIR, Delhi, India	
	41.15	3		Pan American Radio, Tang.	

kc/s	m	kW	Call	Stations and countries	Rem.
	41.15	10/150		Karachi, Pakistan	
	41.15	100	DMQ7	Deutsche Welle, Germany	
	41.15	50/60/100		R. Roma, Italy	
7295	41.12	20	YDQ3	Makassar, Indonesia	
	41.12	20		Paradys, S. Africa	
	41.12	0.25	EAJ8AB	R. Club Tenerife, Canary Isl.	
	41.12	120/240		Peking, China	
	41.12	20/100		AIR, Delhi, India	
	41.12	10/100		R. Free Europe, Germany	
7300	41.10	0.35	CR6RM	Mocamedes, Angola	
	41.10	15/100		Moscow, USSR	
	41.10	3.5	BEC36	Taipei, Taiwan	
	41.10	5/7.5		Athens, Greece	
	41.10	7.5		Colombo, Ceylon	
7310	41.04	15/100		Moscow, USSR	
7312	41.03	0.15	YNWN	R. Granada, Nicaragua	
7320	40.98	15/100		Moscow, USSR	
7324	40.96			Kansu, China	
7325	40.96	15/100	GRJ	BBC, London, Gt. Britain	
7330	40.93	15		Moscow, USSR	
7335	40,90	3	CHU	Dominian, Obs., Canada	
	40.90			Stalinabab, USSR	
7340	40.87	15/100		Moscow, USSR	
7360	40.76	15/100		Moscow, USSR	
7370	40.71	15/120		Peking, China	
7380	40.65			Sinkiang, China	
7400	40.54	15/100		Moscow, USSR	
	40.54			Hanoi, N. Vietnam	
7420	40.43	15/100		Moscow, USSR	
7422	40.42	1		Athens, FBS, Greece	
7485	40.07	15/120		Peking, China	
7500	40.00	15/120		Peking, China	
7570	39.63	0.5	OZL	Angmagssalik, Greenland	
7602	39.46	0.5	YNRM	R. Musun, Nicaragua	
7620	39.37	15/120		Peking, China	
	39.37	0.5		Kavalla (FBS), Greece	
7660	39.16	1	CE766	R. Yungay, Chile	
	39.16	0.25	YNMS	R. Philips, Nicaragua	
7670	39.11	5		R. Sofia III, Bulgaria	
7753	38.67	0.15	YNCA	R. Atlantico, Nicaragua	
7770	38.75	15/120		Peking, China	
7785	38.53	0.4		R. Ecuatorial, Sp. Guinea	
7790	38.51	15/100		Moscow, USSR	
7802	38.45	0.2	CR6RP	Novo Redondo, Angola	
7850	38.20	3		R. Tirana, Albania	
	38.20	0.075		R. Pukapunyal, Australia	
7890	38.02	0.1	YNBX	R. Oriental, Nicaragua	
7935	37.81	1	HLKA	Seoul, S. Korea	
	37.81	1.5	PSL	Agencia Nacional, Brazil	
7940	37.78	1.2		R. Alicante, Spain	
7950	37.74	0.5		Kozani (FBS), Greece	
8036	37.34	2		Beyrouth, Lebanon	
8108	37.00	0.75	EPU3	Ahwaz, Iran	
	37.00	0.5		Kordestan, Iran	
8230	36.45	0.25	ZNB	Mafeking, Bechuanaland	
8700	34.25	15/100		Moscow, USSR	
8915	33.65	15/100		Moscow, USSR	
9009	33.03	50	4XB31	Tel-Aviv, Israel	
9026	33.25	1	COBX	R. Salas, Cuba	
9064	33.10	15/120		Peking, China	
9090	33.00			Inner Mongolia, China	
9145	32.80	15/100		Moscow, USSR	
9170	32.71	15/120		Peking, China	
9180	32.68			Stalinabad, USSA	
9200	32.61	0.5	CE920	R. Militar-Austral, Chile	
9210	32.57	50	OTH	R. Congo Belge, Belg. Congo	
9230	32.50	15/100		Moscow, USSR	
9254	32.42			Bucuresti, Rumania	
9290	32.28	5	PRN9	Voz da Policia Federal, Brazil	
9327	32.17	25/10		Voice of Tangier, Morocco	
9335	32.14	0.3	OAX8C	R. Nacional, Peru	
9337	32.13	25/10		Voice of Tangier, Morocco	
9340	32.10	15/120		Peking, China	
	32.10	15		Alma Ata, USSR	
9362	32.05	1	COBS	R. Progreso, Cuba	
9363	32.04	40		R. Nacional, Spain	
9378	32.00			Khabarovsk, USSR	
9380	31.99	50	OTM2	R. Congo Belge, Belg. Congo	
	31.99	15		Alma Ata, USSR	
9390	31.95	15/100		Moscow, USSR	
	31.95	15/120		Peking, China	
9400	31.92			Hanoi, N. Vietnam	
9410	31.88	15/100	GRI	BBC, London, Gt. Britain	
9415	31.87	0.5	OAX4W	R. America, Peru	
9418	31.86	2.5/10		Voice of Tangier, Morocco	
9430	31.81	15/100		Moscow, USSR	

kc/s	m	kW	Call	Stations and countries	Rem.
9444	31.76	2.5/10		Voice of Tangier, Morocco	
	31.76	1	CP38	R. La Cruz del Sur, Bolivia	
9455	31.73			Chinghai, China	
9460	31.72	120/240		Peking, China	
9465	31.71	20	TAP	R. Ankara, Turkey	
9470	31.68			Sinkiang, China	
9480	31.65	15/100		Moscow, USSR	
9484	31.63	10/50		Karachi, Pakistan	
9488	31.62	0.25	OAX4J	R. La Cronica, Peru	
9490	31.61	15/100		Moscow, USSR	
	31.61	3		R. Atlantico, Canary Islands	
9492	31.60			Inner Mongolia, China	
9495	31.60	10/50		Karachi, Pakistan	
				9500–9775 kc/s – 31 metre band	
9500	31.58	10	XEWW	Voz de la America Latina, Mexico	
	31.58	1	DZH3	R. Philippines, Philippines	
	31.58	0.25	CP6	R. Illimani, Bolivia	
	31.58			Magadan, USSR	
9502	31.57	1	CR6RF	R. Club de Benguela, Angola	
9504	31.57	100	OLR3B	Praha, Czechoslovakia	
9505	31.56	0.3	OEI32	Wien, Austria	
	31.56	7.5	PRB22	R. Record, Brazil	
	31.56	20/100	VUD	AIR, Delhi, India	
	31.56	10		R. Belgrade, Yugoslavia	
	31.56	3		Salisbury, S. Rhodesia	
	31.56	0.25	HOLA	R. Atlantico, Panama	
	31.56	10/100		R. Free Europe, Germany	
	31.56	0.1	OAX6H	R. Tacna, Peru	
9510	31.55	15/100	GSB	BBC, London, Gt. Britain	
	31.55	10	YVXJ	R. Barquisimeto, Venezuela	
	31.55	10/50/100		R. Australia, Australia	
	31.55	120/240		Peking, China	
	31.55	1.5	BEC24	Kaohsiung, Taiwan	
9515	31.53	1	FIQA	R. Tananarive, Madagascar	
	31.53	100	TAT	R. Ankara, Turkey	
	31.53	50/200	KNBH	Dixon, USA	
	31.53	15/100		Moscow, USSR	
	31.53			Caltanissetta (RAI), Italy	
	31.53	100	OLR3D	Praha, Czechoslovakia	
	31.53	10	CXA71	R. Sarandi, Uruguay	
	31.53	1	YSO	La Voz de la Democracia, El Salvador	
9520	31.51	7.5	CBFR	Montreal, Canada	
	31.51	35		Colombo, Ceylon	
	31.51	50	OZF5	Herstedvester, Denmark	
	31.51	35		Salonika (VOA), Greece	
	31.51	10/50/100		R. Australia, Australia	
	31.51	10/100		Allouis, France	
	31.51	100	HEU2	United Nations, Switzerland	
9523	31.50	20		Paradys, S. Africa	
9525	31.50	15/100	GWJ	BBC, London, Gt. Britain	
	31.50	50/100	JOB20	Tokyo, Japan	
	31.50	7.5/100		Warsaw, Poland	
9526	31.49	1	OXI	Godthåb, Greenland	
9530	31.48	0.3	OAX6G	R. Nacional, Peru	
	31.48	0.25/10	VUC	AIR, Calcutta, India	
	31.48	15/100		Moscow, USSR	
	31.48	25/100	WGEO	Schenectady, USA	
	31.48	50	WBOU	Bound Brook, USA	
	31.48	20/50/80	WRUL	R. Boston, USA	
	31.48	15/100		BBC, London, Gt. Britain	
	31.48	35		Courier (VOA), Greece	
	31.48	1	YVMZ	Maracaibo, Venezuela	
9535	31.46	100		Hörby, Sweden	
	31.46	5	XEXF	R. Difusion Mexico, Mexico	
	31.46	5	COCO	Periodico del Aire, Cuba	
	31.46	100	HER4	Schwarzenburg, Switzerland	
9540	31.45	10/50/100		R. Australia, Australia	
	31.45	7.5/100		Warsaw, Poland	
	31.45	10/100		Allouis, France	
	31.45	7.5	ZL2	Wellington, New Zealand	
	31.45	0.1	VE9AI	Edmonton, Canada	
	31.45	10/100	LKJ2	R. Norway, Norway	
9545	31.43	0.25	XEFT	La Voz de Vera Cruz, Mex.	
	31.43	7.5	4VC	R. Commerce, Haiti	
	31.43	110	WLWO	Mason, USA	
	31.43	0.3	OAX4K	R. Central, Peru	
	31.43	10/50		Karachi, Pakistan	
	31.43	15/100		Moscow, USSR	
	31.43	7.5	ZYS43	R. Emis. Paranaense, Brazil	
	31.43	8/100		München (VOA), Germany	
9550	31.41	100	OLR3A	Praha, Czechoslovakia	
	31.41	10/100		Allouis, France	
	31.41	0.5	XETT	La Hora Exacta, Mexico	
	31.47	15/100	GWB	BBC, London, Gt. Britain	
	31.41	10/100	VUB	AIR, Bombay, India	
	31.41	5/25/50/100		Vatican City, Vatican State	
	31.41	10/100	LLD	R. Norway, Norway	
	31.41	2	DZI2	Manila, Philippines	
	31.41	5		Grenada, Windward Isl.	
9555	31.40	5	YSS	R. Nacional, El Salvador	
	31.40	15	OIX2	Pori, Finland	
	31.40	7.5/100		Warsaw, Poland	
	31.40	7.5		Damascus, Syria	
	31.40	15/100		BBC, London, Gt. Britain	
9560	31.38	15/100		BBC, London, Gt. Britain	
	31.38	10/50/100		R. Australia, Australia	
	31.38	10/100		Allouis, France	
	31.38	7.5/100		BBC, Singapore, Malaya	
	31.38	10	JBD2	Yamata (VUNC), Japan	
9562	31.37	40	OAX4R	R. Nacional, Peru	
9565	31.36	16	ZYK3	R. Jornal do Comercio, Braz.	
	31.36	15/100		Moscow, USSR	
	31.36	20/50		R. Liberation, Germany	
	31.36	0.25		Kuching, Sarawak	
9570	31.35	0 35	CP21	R. La Plata, Bolivia	
	31.35	1	YVOM	Ecos del Torbes, Venezuela	
	31.35	15/100	GWX	BBC, London, Gt. Britain	
	31.35	100		Bucuresti, Rumania	
	31.35	50/200	KCBR4	Delano, USA	
9575	31.33	50/60/100		R. Roma, Italy	
	31.33		ZYZ27	R. Mayrink Veiga, Brazil	
9580	31.32	10/50/100		R. Australia, Australia	
	31.32	15/100	GSC	BBC, London, Gt. Britain	
9585	31.30	0.3	OBX4K	R. Selecta, Peru	
	31.30	10/100		Allouis, France	
	31.30	50	CKLP	R. Canada, Canada	
	31.30	20/50		R. Liberation, Germany	
	31.30	7.5/50	ZYR56	R. Exelcior, Brazil	
	31.30	40		R. Nacional, Spain	
	31.30	120/140		Peking, China	
	31.30	20/50/80	WRUL	R. Boston, USA	
9590	31.28	100		R. Nederland, Holland	
	31.28	0.2	OAX5C	R. Ica, Peru	
	31.28	7.5/50		Manila (VOA), Philippines	
	31.28	10/100	VUM	Madras, India	
	31.28	50/200	KNBH	Dixon, USA	
	31.28	100		Praha, Czechoslovakia	
	31.28	0.25	HI2G	R. Dif. HIG, Dom. Rep.	
9593	31.27	40		Kiev, USSR	
9595	31.27	10/100		R. Free Europe, Germany	
	31.27	20/50		R. Liberation, Germany	
	31.27	10	JOZ3	Tokyo, Japan.	
9600	31.25	15/100	GRY	BBC, London, Gt. Britain	
	31.25	10	CE960	R. Presidente Balmaceda, Chile	
	31.25	20/100	VUD	Delhi, India	
	31.25	50/200	KCBR	Delano, USA	
	31.25	7.5/100		Warsaw, Poland	
	31.25			Leningrad, USSR	
9602	31.24	4	4VEH	La Voix Evangelique, Haiti	
9605	31.23	10/100		R. Free Europe, Germany	
	31.23	20/100		AIR, Delhi, India	
9607	31.23	5/7.5		Athens, Greece	
	31.23	0.25	HP5J	La Voz de Panama, Panama	
9610	31.22	2	VLW9	Perth, Australia	
	31.22	10	VLX9	Perth, Australia	
	31.22	3		Tirana, Albania	
	31.22	100		R. Nacional, Spain	
	31.22	50	CHLS	R. Canada, Canada	
	31.22	7.5	CBFX	Montreal, Canada	
	31.22	25	ZYZ28	R. Tamoio, Brazil	
	31.22	10/100	LLG	R. Norway, Norway	
	31.22	15/100		Moscow, USSR	
	31.22	0.5/7.5	CR8AB	Emisora de Goa, Goa	
9614	31.20	10/50		Karachi, Pakistan	
	31.20	7.5		Dacca, Pakistan	
9615	31.20	10/50/100		R. Australia, Australia	
	31.20	35/50/100		VOA, Morocco	
	31.20	0.3	OEI33	Wien, Austria	
	31.20	15/100		BBC, London, Gt. Britain	
	31.20	3	TIDCR	La Voz de la Victor, Costa R.	
	31.20	7.5/100		Warsaw, Poland	
9620	31.19	2.5	ETHA	Addis Ababa, Ethiopia	
	31.19	12	3WT11	R. National, S. Vietnam	
	31.19	10	ZYR96	R. 9 de Julho, Brazil	
	31.19	1	COJK	Voz del Camagüeyana, Cuba	
	31.19	100		Hörby, Sweden	
	31.19	20	CXA6	S.O.D.R.E., Uruguay	
	31.19	8/100		München (VOA), Germany	

kc/s	m	kW	Call	Stations and countries	Rem.
9625	31.17	15/100		Moscow, USSR	
	31.17	1	OAX8K	R. Atlantica, Peru	
	31.17	7.5/100		BBC, Singapore, Malaya	
	31.17	15/100	GWO	BBC, London, Gt. Britain	
	31.17	10/100		Allouis, France	
	31.17	4	4VEH	La Voix Evangelique, Haiti	
	31.17	10	XEBT	El Buen Tono, Mexico	
	31.17	50		R. Brazzav. (R. A.E.F.) Fr. Equat. Afr.	
9630	31.15	50	CKLO	R. Canada, Canada	
	31.15	20/100	VUD	Delhi, India	
	31.15	7.5	CBFO	Montreal, Canada	
	31.15	100	DMQ9	Deutsche Welle, Germany	
	31.15	4	4VEH	La Voix Evangélique, Haiti	
	31.15	10/50		Karachi, Pakistan	
	31.15	50/60/100		R. Roma, Italy	
9632	31.15	1	CR6RL	R. Clube de Angola, Angola	
9635	31.14	7.5	ZYR83	R. Aparecida, Brazil	
	31.14	35/50/100		VOA, Morocco	
	31.14	100	CSA23	R. Nacional, Portugal	
	31.14	10/50/100		R. Australia, Australia	
	31.14	35		Okinawa (VOA), Ryukyu Isl.	
	31.14	7.5	CR7BJ	R. Clube de Mocambique, Mozambique.	
9640	31.12	3	CXA8	R. Real de S. Carlos, Uruguay	
	31.12	100	DMQ6	Deutsche Welle, Germany	
	31.12	10/100		Allouis, France	
	31.12	15/100	GVZ	BBC, London, Gt. Britain	
	31.12	1.3		Accra, Ghana	
	31.12	5	YVSC	R. Nacional, Venezuela	
	31.12	100	HLKA	Suwon, S. Korea	
	31.12			Alma Ata, USSR	
9645	31.10	2	TIFC	Faro del Caribe, Costa Rica	
	31.10	10/100	LLH	R. Norway, Norway	
	31.10	7.5	ZYV40	R. Cultura de Pocos de Caldas, Brazil	
	31.10	10/50		Karachi, Pakistan	
	31.10	7.5		Dacca, Pakistan	
	31.10	1		Lahore, Pakistan	
	31.10	0.3	HOJA	R. Provincias, Panama	
9646	31.10	5/25/50/100		Vatican City, Vatican State	
9650	31.09	10/50/100		R. Australia, Australia	
	31.09	10		R. ELWA, Liberia	
	31.09	50	WDSI	Brentwood, USA	
	31.09	7.5/20		BBC Cyprus, Cyprus	
	31.09	100		Honolulu (VOA), Hawaii	
	31.09	15/100		Moscow, USSR	
9654	31.07	5	CR7BE	R. Clube de Mocambique, Mozambique.	
9655	31.07	10/100		R. Free Europe, Germany	
	31.07	50	OTC	Léopoldville, Belg. Congo	
	31.07	20		Lagos, Nigeria	
9660	31.06	7.5	LRX	R. El Mundo, Argentina	
	31106	10	VLQ9	Brisbane, Australia	
	31106	15/100	GWP	BBC, London, Gt. Britain	
	31.06	5/25/50/100		Vatican City, Vatican State	
	31.06	15/100		Moscow, USSR	
	31.06	1		R. Kashmir, India	
9665	31.04	0.3	OEI23	Wien, Austria	
	31.04	100	HEU3	Schwarzenburg, Switzerland	
	31.04	120/240		Peking, China	
	31.04	4	OEI23	Kronstorf, Austria	
	31.04	20/50		R. Liberation, Germany	
9668	31.03	5	TGNB	R. Cultural, Guatemala	
9670	31.02	5	COCQ	Circuito CMQ, Cuba	
	31.02	7.5/50		Manila (VOA), Philippines	
	31.02	10		R. ELWA, Liberia	
9675	31.01			R. Diario da Munha, Brazil	
	31.01	10/100		Allouis, France	
	31.01	20/100	VUD	AIR, Delhi, India	
	31.01	50/100	JOB3	Tokyo, Japan	
	31.01	15/100	GWT	BBC, Gt. Britain	
	31.01	20/50/80	WRUL	R. Boston, USA	
9677	31.00	100		R. Nacional, Spain	
9680	30.99	10/50/100		R. Australia, Australia	
	30.99	5	VLR9	Melbourne, Australia	
	30.99	5	VLH9	Melbourne, Australia	
	30.99	10/100		Allouis, France	
	30.99	20	EQC	R. Tehran, Iran	
	30.99	1	XEQQ	R. Mexicana del Centro, Mexico	
	30.99	20		Paradys, S. Africa	
	30.99	15/100		Moscow, USSR	
	30.99	20/50		R. Liberation, Germany	
9685	30.98	1	HOF31	Circuito RCP, Panama	
	30.98	50	PRA6	R. Gazeta, Brazil	
	30.98	35		Salonika (VOA), Greece	
	30.98	0.5/50	BED36	Taipei, Taiwan	
9690	30.96	100	LRA	R. Nacional, Argentina	
	30.96	15/100	GRX	BBC, Gt. Britain	
	30.96	7.5/100		BBC, Singapore	
	30.96	0.25	DZH5	Manila, Philippines	
9692	30.95	1	TINRH	La Voz de Costa Rica, Costa Rica	
9695	30.94	10/100		R. Free Europe, Germany	
	30.94	50/100	JOA3	Tokyo, Japan	
	30.94	100		R. Nacional, Spain	
9700	30.93	100		R. Sofia, Bulgaria	
	30.93	120/240		Peking, China	
	30.93	15/100	GWY	BBC, London, Gt. Britain	
	30.93	50	WDSI	Brentwood, USA	
	30.93	50/200	KCBR	Delano, USA	
	30.93	5	CE970	R. Cooperativa Vitalicia, Chile	
9705	30.91	10/50		Karachi Pakistan	
	30.91	20/50		R. Liberation, Germany	
	30.91	100	ORU3/5	Bruxelles, Belgium	
	30.91	10	ZYZ24	R. Maua, Brazil	
9710	30.90	50	YDF6	Djakarta, Indonesia	
	30.90	50/60/100		R. Roma, Italy	
	30.90	2.5	ZQP	Lusaka, No. Rhodesia	
	30.90	50	CHRL	R. Canada, Canada	
	30.90	15/100		R. Moscow, USSR	
	30.90	10/100		R. Free Europe, Germany	
9715	30.88	10/100		R. Free Europe, Germany	
	30.88	100		R. Nederland, Holland	
	30.88	15/120		Peking, China	
9717	30.87	10/100		R. Free Europe, Germany	
9720	30.86	20/100	VUD	AIR, Delhi, India	
	30.86	50	PRL7	R. Nacional, Brazil	
	30.86	15/100		Moscow, USSR	
	30.86	20		Paradys, So. Africa	
9725	30.85	15/100		BBC, London, Gt. Britain	
	30.85	7.5/100		BBC, Singapore, Malaya	
	30.85	10/100		R. Free Europe, Germany	
9730	30.83	12		Leipzig (DDR), Germany	
	30.83	2	DZH7	The Call of the Orient, Philip.	
	30.83	20/50		R. Liberation, Germany	
	30.83	7		R. Brazzaville, Fr. Equat. Af.	
9735	30.82	15/100	GWF	BBC, London, Gt. Britain	
	30.85	15/120		Peking, China	
	30.82	7.5	HI2T	La Voz Dominicana, Dom. R	
	30.82	100	DMQ9	Deutsche Welle, Germany	
9740	30.80	10/50		Karachi, Pakistan	
	30.80	15/100		BBC, London, Gt. Britain	
	30.80	15/100		R. Moscow, USSR	
	30.80	1	COKG	R. Minuto National, Cuba	
	30.80	100	CSA27	R. Nacional, Portugal	
	30.80	35/50/100		VOA, Morocco	
9743	30.79	10	LRS1	R. Splendid, Argentina	
9745	30.78	100/20	ORU3/5	Bruxelles, Belgium	
	30.78	100		R. Nederland, Holland	
	30.78	50	HCJB	Voz de los Andes, Ecuador	
	30.78	7.5	ZYR57	R. Cultura, Brazil	
	30.78	3.5	BEC28	Taipei Taiwan	
9746	30.78	100	CSA28	R. Nacional, Portugal	
9750	30.77	10/100		R. Free Europe, Germany	
	30.77	15/100		Moscow, USSR	
	30.77			Leningrad, USSR	
	30.77	15/100		BBC, London, Gt. Britain	
	30.77	10/100		Allouis, France	
9754	30.76	25		R. National, Vietnam	
9755	30.76	10/100		Allouis, France	
	30.77	15/100		BBC, London, Gt. Britain	
	30.76	10/50		Karachi, Pakistan	
	30.76	1	CR6RH	Sa da Bandeira, Angola	
	30.76	7.5	ZYW23	R. Brazil Central, Brazil	
9760	30.74	15/100	MCR	BBC, London, Gt. Britain	
	30.74	10	TGWA	R. Nacional, Guatemala	
	30.74	40	LRY	R. Belgrano, Argentina	
9765	30.72	20/50		R. Liberation, Germany	
	30.72	10/100		Allouis, France	
	30.72	15/100		BBC, London, Gt. Britain	
	30.72	3	CR6RZ	R. Angola, Angola	
	30.72	15/120		Peking, China	
9770	30.71	15/100	MCN	BBC, London, Gt. Britain	
	30.71	15/100		Moscow, USSR	
	30.71	10	PRL4	R. Dif. Educativa, Brazil	
9775	30.69	100	CSA76	R. Nacional, Portugal	
	30.69	3	BEC32	Taipei, Taiwan	
9790	30.64	15/100		Moscow, USSR	
9795	30.63	50/100		Cairo, Egypt	

kc/s	m	kW	Call	Stations and countries	Rem.
9825	30.53	15/100	GRH	BBC, London, Gt. Britain	
9833	30.51	100		R. Budapest, Hungary	
	30.51	1	COBL	R. Aeropuerto, Cuba	
9840	30.49	2		Baku, USSR	
9850	30.46	15/100		Moscow, USSR	
	30.46	20/100		AIR, Delhi, India	
9860	30.43	15/120		Peking, China	
9865	30.45	50	YDF8	Djakarta, Indonesia	
9880	30.36	15/100		Moscow, USSR	
9900	30.30	10		R. Africa Tanger (IBRA),	
9915	30.26	15/100	GRU	BBC, London, Gt. Britain	
9964	30.09	1.5		R. AEF, Fr. Equatorial Afr.	
9972	30.08	15/120		Peking, China	
10000	30.00	2	WWVH	Puunene, Hawaii	
	30.00	0.5	MSF	Teddington, Gt. Britain	
	30.00	10	WWY	Washington, USA	
	30.00	2	JJY	Tokyo, Japan	
	30.00	2	LOL	Buenos Aires, Argentina	
10220	29.35	1.5	PSH	Agencia Nacional, Brazil	
10245	29.28			Sinkiang, China	
10260	29.24	15/120		Peking, China	
10332	29.04		GPB30	Rugby, Gt. Britain	
10430	28.75	10/100		Allouis, France	
11000	27.27			Szechuen, China	
11040	27.17			Inner Mongolia, China	
11100	27.03	15/120		Peking, China	
11342	26.50	10		R. Africa Tanger (IBRA), Morocco	
11455	26.19	15/120		Peking, China	
11515	26.05	15/120		Peking, China	
11600	25.86	15/120		Peking, China	
11630	25.79	40		Leningrad, USSR	
	25.79	15/120		Peking, China	
11650	25.75	10/50		Karachi, Pakistan	
	25.75	120/240		Peking, China	
11655	25.73			Magadan, USSR	
11670	25.71	50	HSK9	R. Thailand, Thailand	
	25.71	50/100		Cairo, Egypt	
11674	25.70	10/50		Karachi, Pakistan	
11675	25.70	15/120		Peking, China	
11680	25.68	15/100	GRG	BBC, London, Gt. Britain	
11685	25.67	5/25/50/100		Vatican City, Vatican State	
11690	35.66	15/100		Moscow, USSR	
		11700–11975 kc/s – 25 meter band			
11700	25.64	10/100		Allouis, France	
	25.64	15/100	GVW	BBC, London, Gt. Britain	
	25.64	15/100		Moscow, USSR	
	25.64	7.5/100		BBC, Singapore, Malaya	
	25.64	1	TGQB	R. Nacional, Guatemala	
11705	25.63	50/100	JOA4	Tokyo, Japan	
	25.63	100		Hörby, Sweden	
	25.63	7.5	CBFY	Montreal, Canada	
	25.63	50	CKXA	R. Canada, Canada	
11710	25.62	10/50/100		R. Australia, Australia	
	25.62	50	WBOU	Bound Brook. USA	
	25.62	20/50/80	WRUL	R. Boston, USA	
	25.62	15/100		Moscow, USSR	
	25.62	20/100	VUD	Delhi, India	
11715	25.61	50/200	KNBH	Dixon, USA	
	25.61	10	HJKZ	R. Nacional, Colombia	
11718	25.60	5/7.5		Athens, Greece	
11720	25.60	50	OTH3	R. Congo Belge, B. Congo	
	25.60	7	OQ2AA	R. Leo, Belgian Congo	
	25.60	7.5	CBFL	Montreal, Canada	
	25.60	50	CHOL	R. Canada, Canada	
	25.60	10	PRL8	R. Nacional, Brazil	
	25.60	2	CKRX	Winnipeg, Canada	
	25.60	7.5/20		BBC, Cyprus, Cyprus	
	25.60	15/100		Moscow, USSR	
	25.60	40		Kiev, USSR	
	25.60	20	ORU5	Bruxelles, Belgium	
11725	25.58	10/100		R. Free Europe, Germany	
	25.58	50/100	JOA8/JOB6	Tokyo, Japan	
	25.58	7.5		Dacca, Pakistan	
	25.58	10/50		Karachi, Pakistan	
	25.58	15/100		BBC, London, Gt. Britain	
	25.58	100	OLR4E	Praha, Czechoslovakia	
11730	25.58	15/100	GVV	BBC, London, Gt. Britain	
	25.58	100		R. Nederland, Holland	
	25.58	35/50/100		VOA, Morocco	
11735	25.56	10/100	LKQ	R. Norway, Norway	
	25.56	5	CXA7	R. Oriental, Uruguay	
	25.56	10/100		R. Free Europe, Germany	
	25.56	35/100		N. Luzon (VOA), Philipp.	
	25.56	7 5	ZYG3	R. Clube Goiania, Brazil	
11740	25.55	10/50/100		R. Australia, Australia	
	25.55	5	CE1174	R. Nuevo Munde, Chile	
	25.55	5/25/50/100		Vatican City, Vatican State	
	25.55	7.5/100		Warsaw, Poland	
	25.55	20/50/80	WRUL	R. Boston, USA	
	25.55	50/200	KNBH	Dixon, USA	
	25.55	15/100		Moscow, USSR	
11741	25.55	7.5	CR7BF	R. Clube de Mocambique,	
11745	25.54	10/100		R. Free Europe, Germany	
	25.54	50	ZYR65	R. Emiss. de Piratininga, Brazil	
11750	25.53	15/100	GSD	BBC, London, Gt. Britain	
	25.53	10		Tokyo (FEN), Japan	
	25.53	0.35	TGCX	R. Cristal, Guatemala	
11755	25.52	15/100		Moscow, USSR	
	25.52	7.5/100		Warsaw, Poland	
	25.52	10/100		R. Free Europe, Germany	
11760	25.51	10/50/100		R. Australia, Australia	
	25.51	50	CKRA	R. Canada, Canada	
	25.51	7.5	CBFA	Montreal, Canada	
	25.51	10/100		R. Free Europe, Germany	
	25.51	35		Courier (VOA), Greece	
	25.51	35/50/100		VOA, Morocco	
	25.51	15/100		Moscow, USSR	
11765	25.50	20/50		R. Liberation, Germany	
	25.50	50		Rangoon, Burma	
	25.50	7.5/50		Manila (VOA), Philippines	
	25.50	25	ZYB8	R. Tupi de Sao Paulo, Brazil	
11770	25.49	10/50/100		R. Australia, Australia	
	25.49	15/100	GVU	BBC, London, Gt. Britain	
	25.49	7.5	YDE	Djakarta, Indonesia	
	25.49	100	YDF2/7	Djakarta, Indonesia	
	25.49	10/50		Karachi, Pakistan	
11775	25.48	0.2	OEI35	Wien, Austria	
	25.48	7.5/100		Warsaw, Poland	
	25.48		ZYZ28	R. Mayrink Veiga, Brazil	
	25.48	10/100		R. Free Europe, Germany	
	25.48	100		VOA, Honolulu, Hawaii	
11780	25.47	50/100	JOB4	Tokyo, Japan	
	25.47	7.5	ZL3	Wellington, New Zealand	
	25.47	20/50		R. Liberation, Germany	
	25.47	20/50/80	WRUL	R. Boston, USA	
	25.47	15/100		BBC, London, Gt. Britain	
	25.47	7.5/100		BBC, Singapore, Malaya	
	25.47	15/100		Moscow, USSR	
11785	25.46	40		Kiev, USSR	
	25.46	0.2	OEI24	Wien, Austria	
	25.46	35/50/100		VOA, Morocco	
	25.46	7.5	ZYU61	R. Guaiba, Brazil	
11790	25.45	35/100		N. Luzon (VOA), Philippines	
	25.45	15/100	GWV	BBC, London, Gt. Britain	
	25.45	50	WDSI	Brentwood, USA	
	25.45	35/50/100		VOA, Morocco	
	25.45	20/100		AIR, Delhi, India	
	25.45	15/100		Moscow, USSR	
11795	25.43	100	DMQ11	Deutsche Welle, Germany	
	25.43	100	YDF3	Djakarta, Indonesia	
	25.43	100	OLR4G	Praha, Czechoslovakia	
	25.43	50	OTM	R. Congo Belge, Belg. Congo	
11800	25.42	1	CE1180	R. Soc. Nac. de Agricultura, Chile	
	25.42	50/60/100		R. Roma, Italy	
	25.42	15/100	GWH	BBC, London, Gt. Britain	
	25.42	50	JKI4	Tokyo, Japan	
11805	25.42	35		Salonika (VOA), Greece	
11810	25.40	10/50/100		R. Australia, Australia	
	25.40	10/50		Karachi, Pakistan	
	25.40	50/60/100		R. Roma, Italy	
	25.40	100		Hörby, Sweden	
	25.40	15/100		Moscow, USSR	
11815	25.39	10/100		R. Free Europe, Germany	
	25.39	50	BED4	Taipei, Taiwan	
	25.39	100		R. Nacional, Spain	
	25.39	5		R. Brasil Central, Brazil	
	25.39			Khabarovsk, USSR	
11820	25.38	15/100	GSN	BBC, London, Gt. Britain	
	25.38	120/240		Peking, China	
	25.38	7.5/100		BBC, Singapore, Malaya	
	25.38	5	XEBR	El Heraldo de Sonora, Mexico	
11825	25.37	15/100		Moscow, USSR	
	25.37	20/50		R. Liberation, Germany	
	25.37	16	ZYK32	R. Jornal do Comercio, Brazil	
11830	25.36	50	WDSI	Brentwood, USA	
	25.36	35/50/100		VOA, Morocco	
	25.36	35		Okinawa (VOA), Ryukyu Isl.	
	25.36	15/100		Moscow, USSR	
	25.36	10/100		R. Free Europe, Germany	

kc/s	m	kW	Call	Stations and countries	Rem.
11835	25.35	15/120		Peking, China	
	25.35	5	CXA19	El Espectador, Uruguay	
	25.35	100	OLR4H	Praha, Czechoslovakia	
11840	25.34	100	CSA31	R. Nacional, Portugal	
	25.34	10/50/100		R. Australia, Australia	
	25.34	2	VLW11	Perth, Australia	
	25.34	15/100	GWQ	BBC, London, Gt. Britain	
	25.34	0.25	DUH5	The Peoples Station, Philipp.	
	25.34	15/100		Moscow, USSR	
	25.34	20		Paradys, S. Africa	
	25.34	8/100		München (VOA), Germany	
11845	25.33	10/100		Allouis, France	
	25.33	10/50		Karachi, Pakistan	
	25.33	15/120		Peking, China	
11850	25.32	10/50/100		R. Australia, Australia	
	25.32	110	WLWO	Mason, USA	
	25.32	100	ORU4/5	Bruxelles, Belgium	
	25.32	10/100	LLK	R. Norway, Norway	
	25.32	5	TGNC	R. Cultural, Guatemala	
	25.32	1.2	ZPA3	R. Teleco, Paraguay	
11855	25.31	10/100		R. Free Europe, Germany	
	25.31	2	DZH8	The Call of the Orient, Philip.	
	25.31	10		R. Cultura de Parana, Brazil	
11860	25.30	15/100	GSE	BBC, London, Gt. Britain	
	25.30	15/100		R. Moscow, USSR	
	25.30		XELZZ	Mexico City,Mexico	
	25.30	20/100		AIR, Delhi, India	
11862	25.29	10	CRCRZ	R. Angola, Angola	
11865	25.28	100	HER5	Schwarzenburg, Switzerland	
	25.28	25	PRA8	R. Clube de Pernambuco, Brazil	
11870	25.27	50	WBOU	Boundbrook, USA	
	25.27	10/50/100		R. Australia, Australia	
	25.27	50/200	KCBR	Delano, USA	
	25.27		ZYN32	R. Soc. da Bahia, Brazil	
11875	25.26	35		Colombo, Ceylon	
11880	25.25	15/100		Moscow, USSR	
	25.25	20	LRS	R. Splendid, Argentina	
	25.25	5	VLH11	Melbourne, Australia	
	25.25	10/50/100		R. Australia, Australia	
	25.25	15/100	GRE	BBC, London, Gt. Britain	
	25.25	7.5/100		BBC, Singapore, Malaya	
	25.25	1	XEHH	R. Dif. XERH/XEHH, Mex.	
	25.25	100		Hörby, Sweden	
11885	25.24	10/100		R. Free Europe, Germany	
	25.24	50		Petropavlovsk, USSR	
	25.24	40		Leningrad, USSR	
	25.24	10	CXA68	R. Sarandi, Uruguay	
	25.24	10/50		Karachi, Pakistan	
	25.24	10		R. Maua, Brazil	
11890	25.23	7.5		Dacca, Pakistan	
	25.23	15/100	GWW	BBC, London, Gt. Britain	
	25.23		WBOU	Bound Brook, USA	
11890	25.23	8/100		München (VOA), Germany	
11895	25.22	25		Dakar, French W. Africa	
	25.22	0.3	HPS62	La Voz de Veraguas, Panama	
	25.22	10/100		R. Free Europe, Germany	
11900	25.21	10/50/100		R. Australia, Australia	
	25.21	35/50/100		VOA, Morocco	
	25.21	50/200	KNBH	Dixon, USA	
	25.21	0.25	OQ2AB	R. Elisabeth, B. Congo	
	25.21	50	CKEX	R. Canada, Canada	
	25.21	20		Paradys, S. Africa	
	25.21	110	WLWO	Mason, USA	
	25.21	15/100		Moscow, USSR	
	25.21	1	XEXE	R. Dif. Mexico, Mexico	
	25.21	20	CXA10	S.O.D.R.E., Uruguay	
	25.21	5	CE1190	R. Coop. Vitalicia, Chile	
11905	25.20	50/60/100		R. Roma, Italy	
	25.20	20/100	VUD	Delhi, India	
11910	25.19	15/100	MCO	BBC, London, Gt. Britain	
	25.19	100		Budapest, Hungary	
	25.19	0.5	HSK7	R. Thailand, Thailand	
	25.19	15/100		Moscow, USSR	
11914	25.18	10/50		Karachi, Pakistan	
11915	25.18			R. Nederland, Holland	
	25.18	50	HCJB	La Voz de los Andes, Ecuad.	
	25.18	10/100		R. Free Europe, Germany	
11920	25.17			Allouis, France	
	25.17	10		Atlantico, (R. Nac.), Portug.	
	25.17	20/100	VUD	AIR, Delhi, India	
	25.17	20/50		R. Liberation, Germany	
11925	25.16	100	CSA71	R. Nacional, Portugal	
	25.16	10	ZYR78	R. Bandeirantes, Brazil	
	25.16	20/50		R. Liberation, Germany	
	25.16	100	HLKA	Suwon, S. Korea	
	25.16	15/120		Peking, China	
11927	25.16	5/7.5		R. Athens, Greece	
11930	25.15	15/100	GVX	BBC, London, Gt. Britain	
	25.15	7.5/100		BBC, Singapore, Malaya	
11935	25.14	0.2	OEI36	Wien, Austria	
	25.14	7.5		R. Clube Paranaense, Brazil	
	25.14	15/120		Peking, China	
	25.14	20/50		R. Liberation, Germany	
	25.14	100	OLR4J	Praha, Czechoslovakia	
11937	25.13	20		Paradys, S. Africa	
	25.13	100		Bucuresti, Rumania	
	25.13	0.25	RAU3	R. Angkatan Udara, Indons.	
11940	25.13	5/25/50/100		Vatican City, Vatican, State	
	25.13	10/100		R. Free Europe, Germany	
	25.13	5	CE1194	R. Cooperativa Vitalicia, Chl.	
11945	25.12	15/100	MCQ	BBC, London, Gt. Britain	
	25.12	2.5/100		Warsaw, Poland	
	25.12	15/100		Moscow, USSR	
	25.12	100	DMQ11	»Deutsche Welle«, Germany	
	25.12	10/50/100		R. Australia, Australia	
	25.12	120/240		Peking, China	
	25.12	50	CKNK	R. Canada, Canada	
11950	25.10	100		R. Nederland, Holland	
	25.10	3		Djeddah, Saudi Arabia	
	25.10	10.5	PRL5	R. Dif. Educativa, Brazil	
11955	25.09	15/100	GVY	BBC, London, Gt. Britain	
	25.09	7.5/100		BBC, Singapore, Malaya	
11960	25.08	15/100	MCT	BBC, London, Gt. Britain	
	25.08	15/100		Moscow, USSR	
	25.08	5	CE1196	Soc. Nac. de Mineria, Chile	
	25.08	5	XEXF	R. Dif. Mexico, Mexico	
	25.08	7.5/50		Manila VOA, Philippines	
11964	25.07	100	CSA63	R. Nacional, Portugal	
11965	25.07		CXA55	SODRE, Uruguay	
	25.07	50/100	JOB22	Tokyo, Japan	
	25.07	20/50		R. Liberation, Germany	
	25.07	15/100		BBC, London, Gt. Britain	
11970	25.06	50		Brazzaville, Fr. Eq. Africa	
	25.06	110	WLWO	Mason, USA	
	25.06	0.5/50	BED37	Taipei, Taiwan	
11975	25.05	120/240		Peking, China	
	25.05	100	OLR4K	Praha, Czechoslovakia	
11980	25.04	15/100		Moscow, USSR	
11990	25.02	3	ZPA5	R. Encarnacion, Paraguay	
11995	25.01	100	CSA32	R. Nacional, Portugal	
	25.01	10		R. ELWA, Liberia	
11996	25.01	10		Atlantico (R. Nac.), Portugal	
12000	25.00			Hanoi, North Vietnam	
	25.00	5	CE1200	R. Soc. Nac. de Agricultura, Chile	
12020	24.96	15/100		Moscow, USSR	
	29.46	20/100		AIR, Delhi, India	
12040	24.93	15/100	GRV	BBC, London, Gt. Britain	
12095	24.80	15/100	GRF	BBC, London, Gt. Britain	
12175	24.64	7	TFJ	Reykjavik, Iceland	
12270	24.45	15/100		Moscow, USSR	
12300	24.39	15/100		Moscow, USSR	
14380	20.86	15/100		Moscow, USSR	
14670	20.43	0.3	CHU	Dom. Observatory, Canada	
14858	20.20	2.5		R. Africa Tanger (IBRA), Morocco	
15000	20.00	2	WWVH	Puunene, Hawaii	
	20.00	10	WWV	Washington, USA	
	20.00	2	JJY	Tokyo, Japan	
	20.00	2	LOL	Buenos Aires, Argentine	
	20.00			Hanoi, N Vietnam	
15030	19.96	15/120		Peking, China	
15040	19.95	15/100		Moscow, USSR	
15060	19.92	120/240		Peking, China	
15062	19.92	1.5		Forest Side, Mauritius	
15070	19.91	15/100	GWC	BBC, London, Gt. Britain	
15090	19.88	50	CKLX	R. Canada, Canada	
15095	19.87	120/240		Peking, China	
15100	19.87	10/100		Allouis, France	
	19.87	15/100		Moscow, USSR	
	19.87	100	CSA39	R. Nacional, Portugal	
15105	19.86	20/100	VUD	Delhi, India	
	19.86	35/100		N. Luzon (VOA), Philipp.	
15110	19.85	15/100	GWG	BBC, London, Gt. Britain	
15115	19.85	50	HCJB	La Voz de los Andes, Ecuad.	
	19.85	10/100		R. Free Europe, Germany	
	19.85	5	CE1511	Soc. Nac. de Mineria, Chile	
	19.85	120/240		Peking, China	
15120	19.84	15/100		Moscow, USSR	
	19.84	50/60/100		R. Roma, Italy	
	19.84	5/25/50/100		Vatican City, Vatican State	

kc/s	m	kW	Call	Stations and countries	Rem.
	19.84	10/50/100		R. Australia, Australia	
	19.84	35		Colombo, Ceylon	
	19.84	7.5/100		Warsaw, Poland	
15125	19.83	100	CSA64	R. Nacional, Portugal	
	19.83		ZYN31	R. Soc. da Bahia, Brazil	
	19.83	10/100		Allouis, France	
	19.83	20/100		AIR, Delhi, India	
	19.83	100	OLR5D	Praha, Czechoslovakia	
15130	19.83	20/100	VUD	AIR, Delhi, India	
	19.83	35/50/100		VOA, Morocco	
	19.83	50/200	KCBR	Delano, USA	
	19.83	50	WBOU	Bound-Brook, USA	
15135	19.82	10/50		Karachi, Pakistan	
	19.82	50/100	JOA6	Tokyo, Japan	
	19.82	7.5	PRB23	R. Panamericana, Brazil	
	19.82	10/100		R. Free Europe, Germany	
15140	19.82	15/100	GSF	BBC, London, Gt. Britain	
	19.82	15/100		Moscow, USSR	
	19.82	0.5/50		Taipei, Taiwan	
15145	19.81	10/100		R. Free Europe, Germany	
	19.81	16	ZYK33	R. Jornal do Comercio, Brazil	
	19.81	100	OLR5E	Praha, Czechoslovakia	
	19.81	10/50		Karachi, Pakistan	
15150	19.80	5	CE1515	R. Corporacion, Chile	
	19.80	50	YDC	Djakarta, Indonesia	
	19.80	50/200	KNBH	Dixon, USA	
	19.80	10		Atlantico (R. Nac.), Portugal	
	19.80	35/50/100		VOA, Morocco	
	19.80	50	WBOU	Bound Brook, USA	
15155	19.80	100		Hörby, Sweden	
	19.80	25	ZYB9	R. Dif. de Sao Paulo, Brazil	
15160	19.79	10/50/100		R. Australia	
	19.79	10/50		Karachi, Pakistan	
	19.79	20/100	VUD	AIR, Delhi, India	
	19.79	100	TAU	R. Ankara, Turkey	
	19.79	10	XEWW	La Voz de la America Latina, Mexico	
15165	19.78	50	OZF7	Herstedvester, Denmark	
	19.78	10/50		Karachi, Pakistan	
	19.78	20		Damascus, Syria	
	19.78	5	ZYN7	Céara R. Clube, Brazil	
15170	19.78	15/100		Moscow, USSR	
	19.78	10/100	LKV	R. Norway, Norway	
	19.78	20/100		AIR, Delhi, India	
	19.78	10/100		R. Free Europe, Germany	
15175	19.77	10/100	LLM	R. Norway, Norway	
	19.77	10/50/100		R. Australia, Australia	
	19.77	15/120		Peking, China	
15180	19.76	50	OZF8	Herstedvester, Denmark	
	19.76	15/100	GSO	BBC, London, Gt. Britain	
	19.76	15/100		Moscow, USSR	
15185	19.76	10/100		R. Free Europe, Germany	
	19.76	100	OLR5F	Praha, Czechoslovakia	
15190	19.75	50	CKOX	R. Canada, Canada	
	19.75	1	OBX4C	R. El Sol, Peru	
	19.75	7.5	CBFZ	Montreal, Canada	
	19.75	5	PRK9	R. Inconfidencia, Brazil	
	19.75	20/100		AIR, Delhi, India	
	19.75	35/50/100		VOA, Morocco	
	19.75	50	WBOU	Bound-Brook, USA	
	19.75	100	OIX4	Pori, Finland	
15195	19.74	20	TAQ	R. Ankara, Turkey	
	19.74	10/100		R. Free Europe, Germany	
	19.74			VOA, Salonika, Greece	
	19.74	35		Courier (VOA), Greece	
15200	19.74	15/100		Moscow, USSR	
	19.74	35/100		N. Luzon (VOA), Philipp.	
	19.74	10/50/100		R. Australia, Australia	
15200	19.74	20/50/80	WRUL	R. Boston, USA	
	19.74		ZPA7	R. Guarani, Paraguay	
	19.74	10		R. ELWA, Liberia	
	19.74	35/50/100		VOA, Morocco	
15205	19.73	5	XESC	Heraldos del Junco Mexico	
15210	19.72	10/50/100		R. Australia, Australia	
	19.72	15/100	GWU	BBC, London, Gt. Britain	
	19.72	7.5/50		Manila (VOA), Philippines	
	19.72	50	WBOU	Bound Brook, USA	
15215	19.71	10/100		R. Free Europe, Germany	
	19.71	2.5		R. Timbira, Brazil	
15220	19.71	10/50/100		R. Australia, Australia	
	19.71	8/100		München (VOA), Germany	
	19.71	15/100		Moscow, USSR	
	19.71	100		R. Nederland, Holland	
	19.71	20/50/80	WRUL	R. Boston, USA	
15225	19.70		CXA64	Montevideo, Uruguay	
	19.70	1		R. Cultura da Bahia, Brazil	
	19.70	50/100	JOB9	Tokyo, Japan	
	19.70	0.5/20/50	BED5	Taipei, Taiwan	
15230	19.70	5	VLH15	Melbourne, Australia	
	19.70	15/100	GWD	BBC, London, Gt. Britain	
	19.70	10/50/100		R. Australia, Australia	
	19.70	20		Paradys, S. Africa	
	19.70	50	WBOU	Bound Brook, USA	
	19.70	35		Colombo, Ceylon	
	19.70	20/50/80	WRUL	R. Boston, USA	
15235	19.69	20/100	VUD	AIR, Delhi, India	
	19.69	50/100	JOB5	Tokyo, Japan	
15240	19.69	10/100		Allouis, France	
	19.69	100		Hörby, Sweden	
	19.69	15/120		Peking, China	
	19.69	10/50/100		R. Australia, Australia	
15250	19.67	110	WLWO	Mason, USA	
	19.67	1.5	4VRW	R. Haiti, Haiti	
	19.67	50/200	KNBH	Dixon, USA	
	19.67	15/100		Moscow, USSR	
	19.67	100		Bucuresti, Roumania	
	19.67	7.5/50		Manila (VOA), Philippines	
15255	19.67	10/50		Karachi, Pakistan	
	19.67	10/100		R. Free Europe, Germany	
	19.67	50	CKLX4	R. Canada, Canada	
	19.67	100	HLKA	Suwon, Korea	
	19.67	20/50		R. Liberation, Germany	
15257	19.66	10		Tokyo (FEN), Japan	
15260	19.66	15/100	GSI	BBC, London, Gt. Britain	
15265	19.66	10/100		R. Free Europe, Germany	
15270	19.65	15/100		Moscow, USSR	
	19.65	50	WBOU	Bound Brook, USA	
	19.65	50	WDSI	Brentwood, USA	
	19.65	8/100		München (VOA), Germany	
15275	19.64	100	DMQ15	Deutsche Welle, Germany	
	19.64	50	WDSI	Wayne, USA	
	19.64	35/100		N. Luzon (VOA), Philipp.	
	19.64	35/50/100		VOA, Morocco	
15280	19.63	7.5	ZL4	Wellington, New Zealand	
	19.63	20	ORU5	Bruxelles, Belgium	
15285	19.63	10	CR7BG	R. Clube de Mozambique, Mozambique	
	19.63	50	WDSI	Wayne, USA	
	19.63	10/50		Karachi, Pakistan	
	19.63	35		Salonika (VOA), Greece	
	19.63	20/50/80	WRUL	R. Boston, USA	
15290	19.62	7.5/10	LRU	R. El Mundo, Argentina	
	19.62	20/100	VUD	AIR, Delhi, India	
	19.62	50/200	KCBR	Delano, USA	
	19.62	5/25/50/100		Vatican City, Vatican State	
15295	19.62	10/100		Allouis, France	
	19.62	10		R. Nacional, Brazil	
	19.62	35/50/100		VOA, Morocco	
	19.62	10/100		R. Free Europe, Germany	
15300	19.61	15/100		Moscow, USSR	
	19.61	15/100	GWR	BBC, London, Gt. Britain	
	19.61	7.5/100		BBC, Singapore, Malaya	
	19.61	2	DZH9	The Call of the Orient, Philip.	
	19.61	0.5	CE1530	R. Soc. Nac. de Agricultura, Chile	
	19.61	0.25	XERUU	Chihuahua, Mexico	
15305	19.60	100	HER6	Schwarzenburg, Switzerland	
15310	19.60	15/100	GSP	BBC, London, Gt. Britain	
	19.60	7.5/100		BBC, Singapore, Malaya	
	19.60			Moscow, USSR	
	19.60	20/100	VUD	Delhi, India	
15315	19.59	10/50/100		R. Australia, Australia	
	19.59	50/200	KCBR	Delano, USA	
	19.59	20/100		AIR, Delhi, India	
15320	19.58	10/50/100		R. Australia, Australia	
	19.58	50	CKCS	R. Canada, Canada	
	19.58	50	OZF9	Herstedvester, Denmark	
15325	19.58	15/100		Moscow, USSR	
	19.58	20		R. Gazeta, Brazil	
	19.58	50/60/100		R. Roma, Italy	
	19.58	20/100		AIR, Delhi, India	
	19.58	50/100	JOB21	Tokyo, Japan	
15330	19.57	25/100	WGEO	Schenectady, USA	
	19.57	100		VOA, Honolulu, Hawaii	
	19.57	35/50/100		VOA, Morocco	
15335	19.56	10/50		Karachi, Pakistan	
	19.56			R. Soc. Farroupilha, Brazil	
	19.56	35/100		N. Luzon (VOA), Philippines	
	19.56	100	ORU3/4	Bruxelles, Belgium	
15340	19.56	35/50/100		VOA, Morocco	
	19.56	15/100		Moscow, USSR	
15345	19.55	5/7.5		Athens, Greece	

kc/s	m	kW	Call	Stations and countries	Rem.
	19.55	0.5/50	BED57	Taipei, Taiwan	
	19.55	100	LRA	R. Nacional, Argentina	
	19.55	7.5		Addis Ababa, Ethiopia	
15350	19.54	20/50/80	WRUL	R. Boston, USA	
	19.54	10/100		Allouis, France	
	19.54	5		R. Luxembourg	
	19.54	120/240		Peking, China	
	19.54	50/200	KCBR	Delano, USA	
15355	19.54	10/100		R. Free Europe, Germany	
15360	19.53	15/100		BBC, London, Gt. Britain	
	19.53	7.5/100		BBC, Singapore, Malaya	
	19.53	15/100		Moscow, USSR	
	19.53	0.3	4VWI	La Voix Evangelique, Haiti	
15365	19.53	10/100		R. Free Europe, Germany	
	19.53	100		R. Nederland, Holland	
15370	19.52	25	ZYZ9	R. Tupi Rio de Janeiro, Brazil	
	19.52	120/240		Peking, China	
	19.52	8/100		München (VOA), Germany	
15375	19.51	100	DMQ15	Deutsche Welle, Germany	
	19.51	15/100		BBC, London, Gt. Britain	
15380	19.51	35/50/100		VOA, Morocco	
	19.50	100	CSA42	R. Nacional, Portugal	
	19.51	35		Okinawa (VOA), Philipp.	
15385	19.50	5/25/50/100		Vatican Radio, Vatican State	
	19.50	35/50/100		VOA, Morocco	
	19.50	10	CXA60	R. Sarandi, Uruguay	
15390	19.49	15/100		BBC, London, Gt. Britain	
	19.49	15/100		Moscow, USSR	
	19.49	20/50/80	WRUL	R. Boston, USA	
	19.49	15/120		Peking, China	
15395	19.49	20/50		R. Liberation, Germany	
15400	19.48	10/100		Allouis, France	
	19.48	50/60/100		R. Roma, Italy	
	19.48	0.3	4VWI	La Voix Evangelique, Haiti	
15405	19.47	1	PZC	Paramaribo, Surinam	
	19.47	100	DMQ15	Deutsche Welle, Germany	
	19.47	20/100		R. Free Europe, Germany	
15410	19.47	35/50/100		VOA, Morocco	
	19.47	8/100		München (VOA), Germany	
	19.47	15/100		Moscow, USSR	
15415	19.46	20/50		R. Liberation, Germany	
	19.46	15/100		BBC, London, Gt. Britain	
	19.46		PRA7	Ribeirao Preto, Brazil	
	19.46	20/50/80		WRUL, Boston	
15420	19.46	10/100		R. Free Europe, Germany	
	19.46	10/100		Allouis, France	
	19.46	100		R. Nacional, Spain	
	19.46	50		R. Brazzaville, Fr. Eq. Afr.	
	19.46	1.5		R.A.E.F., Fr. Equat. Afr.	
	19.46	7.5/100		BBC, Singapore, Malaya	
	19.46	15/100		BBC, London, Gt. Britain	
15422	19.46			Novosibirsk, USSR	
15425	19.45	15/100		R. Nederland, Holland	
	19.45	10/50/100		R. Australia, Australia	
15430	19.44	15/100		Moscow, USSR	
	19.44	20/50		R. Liberation, Germany	
15435	19.44	15/100	GWE	BBC, London, Gt. Britain	
	19.44	7.5/100		BBC, Singapore, Malaya	
	19.44	15/100		Moscow, USSR	
15440	19.43	50	WBOU	Bound Brook, USA	
	19.43	50		R. Brazzaville, Fr. Equat. Afr.	
	19.43	35/50/100		VOA, Morocco	
15445	19.43	100		R. Nederland, Holland	
	19.43	15/120		Peking, China	
15447	19.43	15/100	GRD	BBC, London, Gt. Britain	
15450	19.42	15/100		Moscow, USSR	
15465	19.39	50/100		Cairo, Egypt	
15480	19.37	15/120		Peking, China	
	19.38	20/100	VUD	Delhi, India	
15540	19.31	15/100		Moscow, USSR	
15590	19.24	15/120		Peking, China	
15595	19.23	1.5		R.A.E.F., Fr. Equat. Afr.	
15610	19.22	15/120		Peking, China	
15630	19.19	0.25	HSK8	R. Thailand, Thailand	
15636	19.18	40		R. Nacional, Spain	
15710	19.09	15/20		Peking, China	
15880	18.89	15/120		Peking, China	
17450	17.20	15/120		Peking, China	
17490	17.15	15/120		Peking, China	
17533	17.11	15/120		Peking, China	
17605	17.04	15/120		Peking, China	
17680	16.97	120/240		Peking, China	
17685	16.96		GIC37	Rugby, Gt. Britain	
17700	16.95	15/100	GVP	BBC, London, Gt. Britain	
17705	16.94	20/100		AIR, Delhi, India	
	16.94	10	ZYR94	R. 9 de Julho, Brazil	
	16.94	35/50/100		VOA, Morocco	
17710	16.94	10/50		Karachi, Pakistan	
	16.94	20/50		R. Liberation, Germany	
	16.94	20/50/100	WRUL	R. Boston, USA	
	16.94	10/50/100		R. Australia, Australia	
	16.94	50	CHSB	R. Canada, Canada	
17715	16.94	10/50		Karachi, Pakistan	
	16.94	15/100	GRA	BBC, London, Gt. Britain	
	16.94		CXA57	Montevideo, Uruguay	
17720	16.93	0.5/50	BED39	Taipei, Taiwan	
	16.93	35		Salonika (VOA), Greece	
	16.93	5/25/50/100		Vatican City, Vatican State	
	16.93	10/200		Allouis, France	
	16.93	20/100		AIR, Delhi, India	
	16.93	100	HEU7	Schwarzenburg, Switzerland	
17725	16.93	10/100		R. Free Europe	
	16.93	10	EPB	R. Tehran, Iran	
17730	16.92	15/100	GVQ	BBC, London, Gt. Britain	
	16.92	20/100		AIR, Delhi, India	
	16.92	20/50		R. Liberation, Germany	
17735	16.92	5/25/50/100		Vatican City, Vatican State	
	16.92	20/100	VUD	Delhi, India	
	16.92	10/100		R. Free Europe, Germany	
	16.92	50	CHRX	R. Canada, Canada	
17740	16.91	15/100	GRQ	BBC, London, Gt. Britain	
	16.91	50/60/100		R. Roma, Italy	
	16.91	10/50		Karachi, Pakistan	
17745	16.90	5/7.5		R. Athens, Greece	
	16.91	15/100		BBC, London, Gt. Britain	
	16.91	20/50		R. Liberation, Germany	
	16.91	120/240		Peking, China	
17750	16.90	10/50		Karachi, Pakistan	
	16.90	15/100		Moscow, USSR	
	16.90	20/50/80	WRUL	R. Boston, USA	
	16.90	35/50/100		VOA, Morocco	
17755	16.90	7.5/100		BBC, Singapore, Malaya	
	16.90	10/100	LKW	R. Norway, Norway	
	16.90	15/100		BBC, London, Gt. Britain	
	16.90	20/50		R. Liberation, Germany	
	16.90	50/100	JOA23	Tokyo, Japan	
17760	16.89	20/100		AIR, Delhi, India	
	16.89	50/200	KCBR	Delano, USA	
	16.89	7.5/50		Manila (VOA), Philippines	
	16.89	25/100	WGEO	Schenectady, USA	
17765	16.89	35/100		N. Luzon (VOA), Philipp.	
	16.89	20/50		R. Liberation, Germany	
	16.89	10/100		Allouis, France	
17770	16.88	50/60/100		R. Roma, Italy	
	16.88	10/50		Karachi, Pakistan	
	16.88	50/200	KCBR	Delano, USA	
	16.88	10/100		R. Free Europe, Germany	
17775	16.88	100		R. Nederland, Holland	
17780	16.87	20/100	VUD	AIR, Delhi, India	
	16.87	50	WBOU	Bound Brook, USA	
17784	16.87	100	HER7	Schwarzenburg, Switzerland	
17785	16.87	50/100	JOA9/JOB7	Tokyo, Japan	
17790	16.86	10/50/100		R. Australia, Australia	
	16.86	15/100	GSG	BBC, London, Gt. Britain	
	16.86	7.5/100		BBC, Singapore, Malaya	
	16.86	20/100	VUD	Delhi, India	
17795	16.86	20/100	VUD	Delhi, India	
	16.86	110	WLWO	Mason, USA	
	16.86	0.03	OEI37	Wien, Austria	
	16.86	100	JOA22	R. Tokyo, Japan	
	16.86	50/200	KNBH	Dixon, USA	
17800	16.85	10/50/100		R. Australia, Australia	
	16.85	100		R. Nederland, Holland	
	16.85	10	OIX5	Pori, Finland	
	16.85	50/60/100		R. Roma, Italy	
	16.85	7.5/100		Warsaw, Poland	
	16.85	35		VOA, Ceylon	
17805	16.85	10	DZI6	The Call of the Orient, Philip.	
	16.85	10/100		R. Free Europe, Germany	
17810	16.84	15/100	GSV	BBC, London, Gt. Britain	
	16.84	100	YDF4	Djakarta, Indonesia	
	16.84	15/100		Moscow, USSR	
	16.84	100		R. Nederland, Holland	
	16.84	0.5/50	BED63	Taipei, Taiwan	
17815	16.84	100	DMQ17	Deutsche Welle, Germany	
	16.84	100	OLR6E	Praha, Czechoslovakia	
17820	16.84	10/50		Karachi, Pakistan	
	16.84	50	CKNC	R. Canada, Canada	
	16.84	20/100		AIR, Delhi, India	
	16.84	35		Colombo, Ceylon	
	16.84	100	TAV	R. Ankara, Turkey	
	16.84	7.5	ZL14	Wellington, New Zealand	

kc/s	m	kW	Call	Stations and countries	Rem.
	16.84	15/100		Moscow, USSR	
17825	16.83	10/100	LLN	R. Norway, Norway	
	16.83	50/100	JOA20	Tokyo, Japan	
17830	16.83	20/100		AIR, Delhi, India	
	16.83	50	WDSI	Brentwood, USA	
	16.83	15/100		Moscow, USSR	
	16.83	35/100		N. Luzon (VOA), Philippine	
	16.83	35		VOA, Okinawa, Ryukyu Isl.	
17835	16.82	100	CSA209	R. Nacional, Portugal	
	16.82	35/50/100		VOA, Morocco	
	16.82	120/240		Peking, China	
	16.82	10/50		Karachi, Pakistan	
	16.82	10/100		R. Free Europe, Germany	
17840	16.82	10/50/100		R. Australia, Australia	
	16.82	100		Hörby, Sweden	
	16.82	20/100	VUD	AIR, Delhi, India	
	16.82	5/25/50/100		Vatican City, Vatican State	
	16.82	15/100		Moscow, USSR	
	16.82	10/100		R. Free Europe, Germany	
17845	16.81	100	DMQ17	Deutsche Welle, Germany	
	16.81	100	ORU3	Bruxelles, Belgium	
	16.81	20/100	VUD	AIR, Delhi, India	
	16.81	7.5/50		Manila (VOA), Philippines	
	16.81	35/50/100		VOA, Morocco	
	16.81	100	JOA21	Tokyo, Japan	
17850	16.81	10/100		Allouis, France	
	16.81	20		Damascus, Syria	
	16.81	10	PRL9	R. Nacional, Brazil	
	16.81	50/200	KCBR	Delano, USA	
17855	16.80	10/100		R. Free Europe, Germany	
	16.80	20/100	VUD	AIR, Delhi, India	
	16.80	35/50/100		VOA, Morocco	
	16.80	50/100	JOA24	Tokyo, Japan	
17860	16.80	15/100		BBC, London, Gt. Britain	
	16.80	10/50/100		R. Australia, Australia	
	16.80	120/240		Peking, China	
17865	16.80	20		Damascus, Syria	
	16.80	100	VUD	Delhi, India	
	16.80	50	CHYS	R. Canada, Canada	
	16.80	20/50		R. Liberation, Germany	
17870	16.79	50/100	GRP	BBC, London, Gt. Britain	
	16.79	7.5/100		BBC, Singapore, Malaya	
17875	16.79	100	DMQ17	Deutsche Welle, Germany	
	16.79	7.5		R. Dif. Educativa, Brazil	
	16.79	20/100	VUD	AIR, Delhi, India	
	16.79	10/100		R. Free Europe, Germany	
	16.79	50	WDSI	Brentwood, USA	
17880	16.78	15/100		Moscow, USSR	
	16.78	100	CSA45	R. Nacional, Portugal	
	16.78	50/200	KCBR	Delano, USA	
17885	16.78	10/100		R. Free Europe, Germany	
	16.78	50		R. Brazzaville, Fr. Equat. Af.	
	16.78	110	WLWO	Mason, USA	
17890	16.77	0.5/50	BED35	Taipei, Taiwan	
	16.77	15/50	GVO	BBC, London, Gt. Britain	
	16.77	7.5/100		BBC, Singapore, Malaya	
	16.77	50	HCJB	La Voz de los Andes, Ecuador	
	16.77	7.5		Dacca, Pakistan	
17895	16.76	100	CSA66	R. Nacional, Portugal	
	16.76	100	HLKA	Suwon, Korea	
	16.76		CXA54	Montevideo, Uruguay	
	16.76	10/100		Allouis, France	
17915	16.75	50/100		Cairo, Egypt.	
18637	16.09			Kabul, Afghanistan	
20000	15.00	1	WWV	Washington, USA	
				21450–21750 kc/s – 13 meter band	
21450	13.99	100	OLR7A	Praha, Czechoslovakia	
21455	13.98	35/50/100		VOA, Morocco	
21460	13.98	20/50/80	WRUL	Boston, USA	
21470	13.97	15/100	GSH	BBC, London, Gt. Britain	
21475	13.97	10/50/100		R. Australia, Australia	
21480	13.97	100		R. Nederland, Holland	
21485	13.96	110	WLWO	Mason, USA	
	13.96	15/100		BBC, London, Gt. Britain	
	13.96	10/100		R. Free Europe, Germany	
21490	13.96	100	DMQ21	Deutsche Welle, Germany	
21495	13.95	50	CSA67	R. Nacional, Portugal	
21500	13.95	50	WDSI	Brentwood, USA	
	13.95	20/50/80	WRUL	Boston, USA	
21510	13.95	100	ORU4	Bruxelles, Belgium	
21515	13.94	5/25/50/100		Vatican R., Vatican State	
	13.94	2	DZI8	The Call of the Orient, Philip.	
21520	13.94	100	HER8	Schwarzenburg, Switzerland	
21525	13.94	0.3	4VWI	La Voix Evangélique, Haiti	
21530	13.93	15/100	GSJ	BBC, London, Gt. Britain	
	13.93	0.25		R. ELWA, Liberia	
21540	13.93	10/50/100		R. Australia, Australia	
	13.93	50	WBOU	Bound Brook, USA	
21550	13.92	15/100	GST	BBC, London, Gt. Britain	
21560	13.91	50/60/100		R. Roma, Italy	
	13.91	20		Damascus, Syria	
	13.91	35		N. Luzon (VOA), Philippines	
21570	13.91	110	WLWO	Mason, USA	
	13.91	20/100	VUD	AIR, Delhi, India	
21580	13.90	20/100	VUD	AIR, Delhi, India	
	13.90	10/100		Allouis, France	
21585	13.90	20/100	VUD	AIR, Delhi, India	
21590	13.90	10/50		Karachi, Pakistan	
	13.90	10/50/100		R. Australia, Australia	
	13.90	25/100	WGEO	Schenectady, USA	
21600	13.89	10/50/100		R. Australia, Australia	
	13.89	50	CKRP	R. Canada, Canada	
	13.89	10/100		R. Free Europe, Germany	
21605	13.89	100	HEI9	Schwarzenburg, Switzerland	
21610	13.88	50/200	KCBR	Delano, USA	
	13.88	110	WLWO	Mason, USA	
21615	13.88	110	WLWO	Mason, USA	
21620	13.87	10/100		R. Free Europe, Germany	
	13.87	10/100		Allouis, France	
21630	13.87	15/100	GVT	BBC, London, Gt. Britain	
	13.87	10/50		Karachi, Pakistan	
21640	13.86	15/100	GRZ	BBC, London, Gt. Britain	
	13.86	10/100		Allouis, France	
	13.86	7.5/100		BBC, Singapore, Malaya	
21650	13.86	100	DMQ21	Deutsche Welle, Germany	
	13.86	15/100		BBC, London	
	13.86	20/100	VUD	AIR, Delhi, India	
	13.86	100	VUB	AIR, Bombay, India	
	13.86	50	WDSI	Wayne, USA	
21655	13.85	15/100		BBC, London, Gt. Britain	
21660	13.85	15/100	MCX	BBC, London, Gt. Britain	
21665	13.84	10/100		R. Free Europe, Germany	
21670	13.85	5	LLP	R. Norway, Norway	
21675	13.84	15/100	GVR	BBC, London, Gt. Britain	
21680	13.84	10/50/100		R. Australia, Australia	
21690	13.83	10/50		Karachi, Pakistan	
	13.83	35/50/100		VOA, Morocco	
	13.83	50	WDSI	Brentwood, USA	
21700	13.83	50	CSA49	R. Nacional, Portugal	
	13.83	20/100	VUD	AIR, Delhi, India	
21705	13.82	35/50/100		VOA, Morocco	
	13.82	20/100	VUD	AIR, Delhi, India	
	13.82	100	VUB	AIR, Bombay, India	
21710	13.82	50	CHLA	R. Canada, Canada	
	13.82	15/100	GVS	BBC, London, Gt. Britain	
21715	13.81	20/100	ORU5/3	Bruxelles, Belgium	
21720	13.81	7.5/100		BBC, Singapore, Malaya	
	13.81	15/100		BBC, London, Gt. Britain	
	13.81	10/100		R. Free Europe, Germany	
	13.81	10/100		Allouis, France	
21730	13.81	5	LLQ	R. Norway, Norway	
	13.81	50	WBOU	Bound Brook, USA	
21740	13.80	15/100	MCY	BBC, London, Gt. Britain	
	13.80	5/25/50/100		Vatican R., Vatican State	
	13.80	10/100		Allouis, France	
	13.80	50/200	KCBR	Delano, USA	
21745	13.80	10/100		R. Free Europe, Germany	
25000	12.00	0.1	WWV	Washington, USA	
25610	11.71	50		R. Nederland, Holland	
25615	11.71	20	OEI38	Fleckendorf, Austria	
25640	11.70	100	HER9	Schwarzenburg, Switzerland	
25650	11.70	15/100		BBC, London, Gt. Britain	
	11.70	100	DMQ25	Deutsche Welle, Germany	
25670	11.69	35/50/100		VOA, Morocco	
	11.68	50/100		R. Australia, Australia	
25720	11.66	15/100	GSR	BBC, London, Gt. Britain	
25740	11.66	5/25/50/100		Vatican R., Vatican State	
25750	11.65	15/100	GSQ	BBC, London, Gt. Britain	
25780	11.64	5/25/50/100		Vatican R., Vatican State	
25800	11.63	20		Paradys, So. Africa	
25820	11.62	50/100		R. Australia, Australia	
25840	11.61	15/100	GSS	BBC, London, Gt. Britain	
25850	11.60	15/100		BBC, London, Gt. Britain	
25850	11.61		CXA65	Montevideo, Uruguay	
25880	11.60	35/50/100		VOA, Morocco	
25900	11.58	100	DMQ25	Deutsche Welle, Germany	
	11.58	10/100	LLA	R. Norway, Norway	
25950	11.56	50	WBOU	Bound Brook, USA	
26040	11.52	50	WBOU	Bound Brook, USA	
26080	11.50	15/100	GSK	BBC, London, Gt. Britain	

★ LAST MINUTE INFORMATION AND CORRECTIONS ★

ANGOLA: R. Clube de Moçamedes: LP.: Chief of Production: C. Meleiro. Dep. Dir.: A.T. de Carvalho Minas.

AUSTRIA: Add 1st Prgr. FM: Pfänder 1 89.7 mc/s 1 kW. Add 2nd Prgr. FM: Pfänder 2 93.3 mc/s 1 kW.

BELGIUM, Foreign Service: 10.00–12.00 add freq [10]).; 12.15–13.00 delete [8]); add [10]); 17.00–17.45 delete [8]); add [6]); 18.00–21.00 delete [3]), [5]); add [6]), [7]), [8]) Sun. 13.30–16.45 add freq [10]).

BRAZIL: R. Guaruja Ltda., Rua Joâo Pinto 42, Florianópolis, Santa Catarina. – **L.P.:** Dir. A. Silva. – **D. Prgr.:** 11.00–18.00, 20.00–02.00 on 1420/5975 kc/s (ZYJ7 – 2.5 kW) and FM: 88.9 mc/s – **V.** by QSL-card.
R. Cultura Araraquara Ltda. – L. P.: Dir. Gen. R. Lupo. Dir. Tec.: J.A.Q. Santos. – Delete: ZYR60 2480 kc/s. – Add: ZYR 60 4915 kc/s 1 kW. – **D. Prgr.: N.:** 11.30, 13.45, 15.45, 22.00, 01.00.

BRITISH GUIANA: British Guiana Broadcasting Co.: Schedule: Mo.–Fri. 09.15–03.15, Sat. 09.15–04.15 Sun. 09.45–03.15.

CANADA, "R. Canada": Add to list of freq's: CKLX-4 15255 kc/s.

CZECHOSLOVAKIA: Czechoslovak Radio.

> *Adv.*
> **Message to Listeners:** Listeners are asked to send us their comments and programme suggestions and reports on reception conditions. Radio Prague is carrying out a continous reception survey, and welcomes the cooperation of listeners throughout the world.

CYPRUS:
Cyprus Broadcasting Sce.: L.P.: Dir.: Cdr. J. C. R. Proud, O.B.E. Controller TV and Prgr.: Hedley Chambers. Contr. Adm.: G. C. Wilkinson. Chief Eng.: A. D. Belle, A. M. I. E. E., B. Sc. N. Editor: J. Appleby. – **Stations:** Nicosia 606 kc/s 10 kW, 692 kc/s 10 kW. **D. Prgr.:** W. 04.30–06.00, 10.30–12.30, 14.30–21.10. Sun. 05.00–12.30, 14.30–21.10. – **Basic Greek Sce:** 692 kc/s 1 kW. 04.30–06.00, Greek, Turkish: 10.30–11.00. F.; 11.00–12.30 Greek; 14.30–21.15 Greek. Sun.: 05.00–12.30, 14.30–21.15 Greek. – **Basic Turkish Sce:** 606 kc/s Same as for Greek Sce. – **Greek N.:** W. 05.15 (W), 06.00 (Sun.), 12.00, 17.00, 20.30. – **Turkish N.:** As for Greek exc. for 17.00 read 17.30. – **English N.:** Both channels 05.45, 11.30, 21.00. Turkish ch.: 17.00.

EGYPT: Home Sce: Add.: Foreign Language Prgr. on 557 kc/s: 05.00–07.00, 10.30–12.30, 17.00–21.00. **N.:** Greek 05.00, 17.00; English 05.30, 18.00; French 06.00, 18.45; Italian 17.30. **Foreign Sce:** To So. & So. Ea. As: 11.00–14.00 (English 13.00–13.30). To Iran/Afghanistan: 14.00–14.30. To Europe: 19.00–20.20 (French 19.15). To Latin America: 23.30 Portuguese, Spanish 00.00, Arabic 11.30. To No America: Arabic 00.30–01,00.

GERMANY: RIAS-Berlin: Add.: RIAS-I Mo.–Fri. 09.00–10.00, 13.15–14.15 on 989 kc/s/92.1 mc/s; RIAS-II Mo.–Fri. 09.00–10.00, 13.15–14.15 on 737/6005 kc/s/88.8 mc/s.

GREECE: National Broadcasting Institute: Foreign Service – Add.: D. 13.15–15.15 on 6075 kc/s to Mediterranean (relay Athens II).

HUNGARY, "R. Budapest": Foreign Service: Add English to So. Ea. Asia 12.30 and 13.30 on 6195/7220 kc/s.

IRAQ: R. Baghdad: Delete HNG 11705 kc/s; **D. Prgr.:** 908 kc/s: 03.00–06.30, 08.00–21.00 Arabic; 3297 kc/s: 14.00–18.00 Kurdish, 18.00–21.00 Arabic; **N. in Arabic:** D. 03.30, 04.30, 11.00, 15.00, 17.00, 19.00. **Mbg.:** Fri. 06.00. – **Wrp.:** D. 17.15, 19.15.

LAOS: R. Dif Nationale Lao: L.P.: Dep. Dir. Mme. N. Khiem. – **Home Service:** 00.00–01.00, 05.00–06.00, 11.00–13.00.

LUXEMBOURG, Foreign Service: On 1439 kc/s: **German** W. 13.00–16.00 (Sun. 14.00–17.00).

MAURITIUS: Mauritius Broadcasting Service: L.P. : Dir. Music: M. Moutih. Dir. Indian Prgr.: O.S. Geerjanan. Dir. Tec.: C.N. Stansfield. Eng. in Charge: N. Rambert. – **D. Prgr.:** On 1364 kc/s W. 03.00–04.15, 07.45–10.00, 13.00–17.30. Sun. 03.00–09.15. On 15062 kc/s: W. 03.00–04.15, 08.00–09.30. Sun. 03.00–08.30. – **English & French:** 03.00–04.15, 07.45–10.00, 14.30–17.30 (W). **N. in French:** 03.30, 08.30, 15.00 (W), 17.25 (W). **N. in English:** 04.00. – **Hindustani:** 13.00–14.30 (W). – **Hakka & Cantonese:** Tues, Thurs. 09.30–10.15, Sun. 08.30–09.15. – **Swahili:** Wed. 09.30–10.00. – **V.** by letter.

NORTH BORNEO: North Borneo Broadcasting Service: D. Prgr.: 04.15–05.45, 09.00–13.00 on 930 kc/s (0.25 kW)/7180 kc/s (5kW). **English:** 04.45–05.15, 11.30–13.00, **Chinese:** 04.15–04.45, 09.00–10.00; **Malay:** 05.15–05.45, 10.00–10.45; **Kadazan:** 10.45–11.30.

PAKISTAN, "R. Pakistan": add to **L. P.:** Editor, Radio Publications, Karachi: Abbas. — Editor-in-Charge, News Units, Lahore: H.U. Shahab. — Editor-in-Charge, News Units, Rawalpindi: M. Aslam. — Editor-in-Charge, News Units, Peshawa: G.A. Razavi.–Editor-in-Charge, News Units, Quetta: K. A. Naqvi. — Editor-in-Charge, News Units, Dacca: S. Haq.
External Services: 03.45–04.45 on 17750/21590 kc/s, 16.00–16.45 5990/7010, 17.00–18.00 9705/15240 ,18.15–19.00 9705/11674, 19.15–20.00 7285/9705 kc/s.

PHILIPPINES: Manila Broadcasting Company.

Stations	kc/s	m	kW	name	h. of tr.
DZRH	650	461.00	10	Voice of the Philippines	21.00–15.00
DZH4	6000	50.00	1		
DZMB	760	394.70	1	Voice of Manila	21.00–16.00
DZI7	6080	49.34	0.25		
DYVL	790	379.00	0.5	Voice of Leyte	02.00–15.00
DZHF	1250	240.00	1	Metropolitan Broadcasting Co.	22.00–16.00
DZPI	800	375.00	10	R. Philippines	21.00–15.00
DZH3	9500	31.58	1		
DYRC	600	50.00	1	Voice of Cebu	21.00–15.00
DYH2	6140	48.85	0.5		
DYBU	1260	238.00	1	Radio Cebu	21.00–15.00
DYH3	6100	49.18	0.25		

SUDAN: Sudan Broadcasting Service: Arabic Prgr.: D. 04.15–05.30, 15.30–16.00, 16.30–20.30; Fri. 05.00–09.00, 14.30–16.00, 16.30–20.30: Sun. 07.30–09.00, 15.30–16.00, 16.30–20.30.

SPAIN, Red de Emisoras del Movimiento: National Delegate: Jesús Alvarez. — General Secretary: Juan Villacorta. — Chief Technical Section: Teodoro Pomata. — Chief Economical Section: José Luis Puig. — Tech. Serv.: G. Cabañas. — Programmes: M. Rojas. — Production: C. Barber. — Coordination: J. Jiménez.

UNITED NATIONS: To We. & So. Eu.:(Mo.–Fri.): 17.45–18.30 on WDSI 21690 kc/s. N. in Italian, (Switzerland), Greek, Italian, Hungarian; 19.00–20.00 on WDSI 21690 kc/s. N. in German (Austria), Portuguese, Turkish, Dutch (Mo., Wed., Fri.), Serbo-Croat, Danish. – **To So. Eu. & M. East:** (Tues.–Sat.): 03.30–04.00. Delete: Tangier 11785 kc/s. Add.: Tanger 9740/11790 kc/s. – **Broadcast of Meetings:** To Europe, No.Af. and M.East: 15.30–17.45 WDSI 21690 kc/s; 20.15–24.00 WBOU 15200 kc/s/Tangier 11785 kc/s **To C. & So.America:** 15.30–18.00 WBOU 17780 kc/s: 20.15–24.00 WDSI 15285 kc/s.

YUGOSLAVIA: R. Belgrade: 04.00 (Sun. 04.30)–23.00. **N.:** 04.00, 09.00, 12.00, 14.00, 16.00, 18.30, 21.00, 23.00. – **Wrp.:** 04.05, 06.30, 09.00, 14.05, 21.05.
R. Zagreb: W. 04.00–07.35, 12.00–23.00. Sun.: 05.00–23.00. – **Wrp.:** 05.05, 06.05, 12.05, 14.05, 21.05. – **N.:** 04.00, 05.00, 06.00, 07,00, 12.00, 14.00, 16.00, 18.30, 21.00, 23.00.
R. Ljubljana: 04.00 (Sun. 05.00)–22.45. – **N.:** 04.00, 05.00, 06.00, 07.00, 09.00, 12.00, 14.00, 16.00, 18.30, 21.00, 21.55. – **Wrp.:** 04.05.
R. Skoplje: W.: 04.25–07.30, 10.55–22.15. Sun. 04.25–22.15.
R. Sarajevo: W.: 05.00–07.30, 12.00–22.00. Sun. 05.00–22.00.
R. Titograd: W.: 04.30–06.00, 13.00–21.00. Sun. 05.00–21.00.
R. Novi Sad: 04.00 (Sun. 04.30)–23.00.
R. Pristina: W.: 04.30–07.00, 11.00–21.30. Sun. 05.00–21.30.

WORLD TIME: Midway Island: GMT ÷ 11 h; Marianas Isl.: GMT + 10 h.

NUMBER OF LISTENERS: Belgian Congo: 50.000; Bermuda: 16.500; Cyprus: 90.000; Fiji Islands: 16.450; Germany (Federal Republic): 14.421.127; Iraq: 50.000.
NUMBER TELEVIEWERS Denmark: 100.000.
TELEVISION: USSR: R. Tashkent. Uzbek Rep.: ch. RIII 77.25/83.75 mc/s., V.-w. 13.30–15.00. Sun. 09.00–10.00, 13.00–15.00.

Adv.
THE DANISH SHORTWAVE CLUB
publishes "SHORTWAVE NEWS"-monthly. It contains the latest short wave news and articles about sw-listening. Membership fee per year: 10. Danish kr. 6,50. Swedish Cr. or 16 IRC's, Payment to E. Ormslev. Postgiro 103409. Write to THE DANISH SHORTWAVE CLUB, HQ: P. O. Box 16, Aars, Denmark.

Adv.
SVERIGES RADIOKLUBB
is the Club for you! Pay only Crs. 10:-or20 IRC and you will receive our monthly bulletin DX-Radio a whole year together with the Short-Wave-Logg with timeschedule, the only one in the World! Ask for sample, free of charge.
SRK, Box 5083, Stockholm 5, Sweden

K O D A K Q U A L I T Y

Kodak products are famous all over the world thanks to a well-known scientific and industrial organization in constant development since 1888, including Research and Testing laboratories which have no match anywhere.

You would buy a Kodak camera or film on trust, as you have every assurance of top quality. For the same reason, you will also pin your faith to Kodavox Magnetic Tape.

Kodavox Magnetic Tape is sold throughout the world by Kodak Houses and Distributors. Please contact these companies or apply to:

KODAK-PATHÉ - Export Department, 37, av. Montaigne - PARIS 8e for any information regarding our distributing organization.

Kodavox Magnetic Tape

6,3 mm (1/4 in.)

It's a Kodak product it speaks for itself

STANDARD TYPE

90 m	(300 ft approx.)
180 m	(600 ft »)
360 m	(1.200 ft »)
750 m	(2.500 ft »)
1.000 m	(3.300 ft »)

LONG-PLAYING TYPE

(100 % more recording on the same reel):

180 m	(600 ft approx.)
360 m	(1.200 ft »)
720 m	(2.400 ft »)
1.250 m	(4.100 ft »)

THICK TYPE

750 m	(2.500 ft approx.)

and don't forget that we can also supply you with:
16, 17,5 and 35 mm Magnetic Films

HI-FI HI-FI HI-FI HI FI HI-FI HI-FI HI-FI HI-FI HI-FI HI-FI HI FI HI-FI

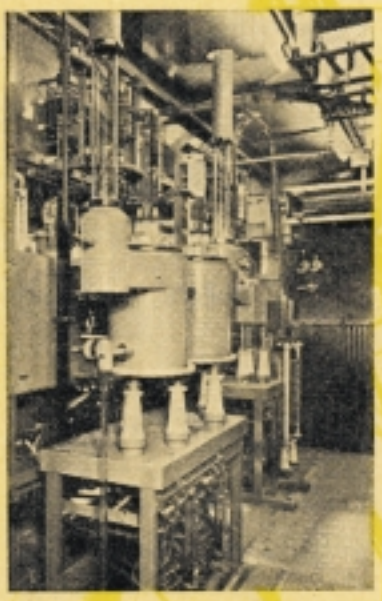
advertisement Kodak Kodavox Magnetic Tape

RADIODIFFUSION

à Système
VAPODYNE

TÉLÉVISION

à haute
définition



THOMSON CFTH HOUSTON

Cie Fse THOMSON-HOUSTON · GROUPE ÉLECTRONIQUE · 173, BOULEVARD HAUSSMANN, PARIS (VIIIe)

advertisement CFTH Thomson Houston